

19980707.qrp v01_n145.qrs.980707

Date: Tue, 7 Jul 1998 19:06:25 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1145

QRP-L Digest 1145

Topics covered in this issue include:

- 1) [14494] New vs OLDER
by Ronald_A_Pfeiffer@res.raytheon.com
- 2) [14495] [FWD] SG-2020 email from Walter, DK8KV-EXCELLENT
by Ed Tanton <n4xy@att.net>
- 3) [14496] Re: A vertical for full band coverage
by "John J. McDonough" <jjmcd@tm.net>
- 4) [14497] looking for these componets
by "Grindrod, Ross [Pulp & Paper]" <GRINDRR@chh.co.nz>
- 5) [14498] SMIRK URL(s)
by "W.Keith Hibbert" <wb2vuo@frontiernet.net>
- 6) [14499] BATTERIES *R* FREE
by RangerSF5@aol.com
- 7) [14500] VHF Reflector
by k7sz@juno.com (Rick Arland)
- 8) [14501] NE602/SA602.
by "Vincent Ferme" <vferme@sprint.ca>
- 9) [14502] Strange AM Boardcasat CW Transmission...
by Christian - KF6IHU <kf6ihu@morphine.com>
- 10) [14503] July 5th KL Net
by Paul Stroud <aa4xx@ipass.net>
- 11) [14504] Re: Engineering tools web site
by "George T. Baker" <w5yr@swbell.net>
- 12) [14505] Re: Strange AM Boardcasat CW Transmission...
by "Peter C. Buehner" <kc8er@harborcom.net>
- 13) [14506] Re: Field day Motor-Generator unit adjustment.
by "George T. Baker" <w5yr@swbell.net>
- 14) [14507] Elmer 101: Low sensitivity
by Stewart Whitehouse <STEW_W@compuserve.com>
- 15) [14508] [Fwd: Fw: Happy 4th of July!]
by Tom Palmer <n1tp@worldnet.att.net>
- 16) [14509] Source of Crystals??????
by "GREGORY HEATH" <kb2qqm@email.msn.com>
- 17) [14510] QRP freqs
by art marshall <w1fji@vistech.net>
- 18) [14511] strange AM CW
by Ab7wy@aol.com
- 19) [14512] Re: SLV Radials?

by David Gauding <david.gauding@bbs.galilei.com>
20) [14513] Re: Strange AM Boardcasat (sic) CW Transmission...
by "Harvey D. D. Hetland" <n6mm@earthlink.net>
21) [14514] 10m
by Wayne Alexander <walexander@wwn.net>
22) [14515] Re: Strange AM Boardcasat CW Transmission...
by kaliic <kaliic@ime.net>
23) [14516] Re: NE602/SA602.
by Chris Trask <ctrask@primenet.com>
24) [14517] Re: Strange AM Boardcasat CW Transmission...
by "Jim Barrett - KC2DCC" <jbarrett@stny.lrun.com>
25) [14518] Re: Strange AM Boardcasat CW Transmission...
by KC5TJA <kc5tja@topaz.axisinternet.com>
26) [14519] Re: HELP!
by Keith Martin <bmartin@ccosmo.net>
27) [14520] Mystery Morse on 530
by "Jim Barrett - KC2DCC" <jbarrett@stny.lrun.com>
28) [14521] Re: Strange AM Boardcasat CW Transmission...
by Ken Lopez <kjlopez@earthlink.net>
29) [14522] Re: strange AM CW
by Don Bowen <don.bowen@chrysalis.org>
30) [14523] Attachments
by Bob Liesenfeld <wb0poq@visi.com>
31) [14524] Re: CB-10M conversion, how much interest?
by sigcom@juno.com (Stephen M Smith)
32) [14525] Spartan Sprint (July 98) de AL7FS
by "Jim Larsen (AL7FS)" <larsennc@alaska.net>
33) [14526] July Spartan Sprint... from SE Minnesota
by W9SUL <pugrad@millcomm.com>
34) [14527] Re: CB-10M conversion, how much interest?
by "Frank A. West" <ke6vhm@earthlink.net>
35) [14528] Re: G5RV, the amateur, not the antenna
by w2bj@juno.com (Barry J Minsky)
36) [14529] Re: VHF Reflector
by Patrick Cook <pcook@milehigh.net>
37) [14530] Boy Scout/Girl Scout CPO kit... info
by Conrad <radman@best.com>
38) [14531] We Have a WINNER/NorCal 'Toon Contest
by Jerry Parker <jparker@fix.net>
39) [14532] Re: VHF Reflector
by Dave Sjolin <sjolin@swbell.net>
40) [14533] Re: Antenna references, etc
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
41) [14534] Re: Dipole as a reference antenna
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
42) [14535] Re: Antenna references, etc
by Zack Lau <zlau@arrl.org>
43) [14536] Re: CB-10M conversion, how much interest?

- by "Vincent Ferme" <vferme@sprint.ca>
- 44) [14537] RE: CB-10M conversion, how much interest?
by "Harry T. Hurst" <hhurst@delaware.infi.net>
- 45) [14538] RE: PIXIE and LC link coupled
by "Prof.Arnaldo Coro Antich" <inforhc@mail.infocom.etecsa.cu>
- 46) [14539] Re: QRP freqs
by adams@chuck.dallas.sgi.com (Chuck Adams)
- 47) [14540] Canadian qrp survey
by Bruce Rattray <rattray@gpfn.sk.ca>
- 48) [14541] Austin QRP Club July Meeting
by Glen Reid <k5hgb@flash.net>
- 49) [14542] half square antenna
by Tellefsen Bob-CNSE97 <cnse97@lmpsil02.comm.mot.com>
- 50) [14543] NorCal paddles
by Tellefsen Bob-CNSE97 <cnse97@lmpsil02.comm.mot.com>
- 51) [14544] CQrp Meeting
by SABorns@aol.com
- 52) [14545] Re: We Have a WINNER/NorCal 'Toon Contest
by "Earl S. Mead" <k6esmead@pacbell.net>
- 53) [14546] Re: Dipole as a reference antenna
by "Ed Hare, W1RFI" <ehare@arrl.org>
- 54) [14547] Hint & Kink
by dave_epps@juno.com
- 55) [14548] Re: 10m
by Ed Loranger <we6w@qsl.net>
- 56) [14549] antenna
by Tellefsen Bob-CNSE97 <cnse97@lmpsil02.comm.mot.com>
- 57) [14550] QRP to Osaka/Yokahama today.
by Ed Loranger <we6w@qsl.net>
- 58) [14551] Re: NE602/SA602.
by Pierre Constantineau <pierre@cmpe.ubc.ca>
- 59) [14552] Antenna Question & QRP+ Observation
by bill lazure <blazure@wstm.com>
- 60) [14553] Feeding the half square antenna
by applitech@mcg.net (Claton Cadmus)
- 61) [14554] Buckeye Electronics
by gstauffe@ix.netcom.com (Gilbert Stauffer)
- 62) [14555] Outbacker Antenna
by DENNISMO@aol.com
- 63) [14556] Re: NE602/SA602.
by "Vincent Ferme" <vferme@sprint.ca>
- 64) [14557] RE: Halfwave, end-fed antenna questions
by cjl@mail09.mitre.org (Charles J. Ludinsky)
- 65) [14558] CB to 10M- Looks good
by Steven Weber <kd1jv@moose.ncia.net>
- 66) [14559] Dayton
by ac5ez@webtv.net (Larry B)
- 67) [14560] HP 1740A

- by k6hcj@juno.com (Marv Fagenson)
- 68) [14561] CB - 10m Conversions
by "Dan Romanchik" <danr@izzy.net>
- 69) [14562] 8P9JJ on 10
by Chuck Carpenter <w5usj@webwide.net>
- 70) [14563] Re: QRP freqs
by W7LS <w7ls@blarg.net>
- 71) [14564] Re: Antenna Question & QRP+ Observation
by "George T. Baker" <w5yr@swbell.net>
- 72) [14565] Re: Feeding the half square antenna
by "George T. Baker" <w5yr@swbell.net>
- 73) [14566] Re: NE602/SA602.
by Ed Loranger <we6w@qsl.net>
- 74) [14567] PHD Hamfest, Kansas City, MO 7-11/98
by Mike - W0TMW <crucis@sky.net>
- 75) [14568] Re: Outbacker Antenna
by W7LS <w7ls@blarg.net>
- 76) [14569] Science Workshop?
by "Richard E. Robinson" <rerobins@email.uncc.edu>
- 77) [14570] Super CMOS III Keyer-What a Kit
by Joseph Trombino jr <joebarb@wilmington.net>
- 78) [14571] Re: NE602/SA602.
by "Vincent Ferme" <vferme@sprint.ca>
- 79) [14572] [14435] G5RV, the amateur, not the antenna
by Rick Weber <weber@accenttech.com>
- 80) [14573] shielded cable
by Scott Howell <whowell@hq.nasa.gov>
- 81) [14574] Re: shielded cable
by "Michael A. Gipe" <mgipe@reliablemeters.com>
- 82) [14575] RE: CB-10M conversion, how much interest?
by "Harry T. Hurst" <hhurst@delaware.infi.net>
- 83) [14576] Re: NE602/SA602.
by "Kurt McCullum" <kdmccullum@bigfoot.com>
- 84) [14577] Re: shielded cable
by Chris Cartwright <ccart@dns.vidtel.com>
- 85) [14578] Need Hako soldering station info
by John Burnley <JBurnley@ifmc.org>
- 86) [14579] CB to 6 meter conversion
by John Burnley <JBurnley@ifmc.org>
- 87) [14580] Re: SGC2020
by Ed Tanton <n4xy@att.net>
- 88) [14581] RE: Halfwave, end-fed antenna questions
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
- 89) [14582] Re: Outbacker Antenna
by David HM Spector <spector@zeitgeist.com>
- 90) [14583] FV-301 SOLD!
by nq2rp@juno.com (B/BAMS Club Station)
- 91) [14584] Re: Halfwave, end-fed antenna questions

by "Frank G3YCC" <g3ycc@g3ycc.prestel.co.uk>
92) [14585] A Wide Range VX0
by "Frank G3YCC" <g3ycc@g3ycc.prestel.co.uk>
93) [14586] SOME DELTA INFO
by ARDUJENSKI@aol.com
94) [14587] Fwd: We Have a WINNER/NorCal 'Toon Contest
by Bertie Hightower <bertieh@dancris.com>

Date: Mon, 6 Jul 1998 18:44:59 -0400
From: Ronald_A_Pfeiffer@res.raytheon.com
To: qrp-l@Lehigh.EDU
Subject: [14494] New vs OLDER
Message-ID: <85256639.007C60B3.00@ressud-as01.res.ray.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii

Since I'm still getting my legs wet after 40 years I have a candid question??? There are a lot of TEN TEC OMNI V's and CORSAIR's coming on the market (as well as other mfg's gear) and I wanted to know quite bluntly how these rigs compare with the "soon to be's": K2, S&S's, OHR's, PATCOMMs etc.

I know that the answer lies somewhere in the type of operation planned i.e. home, portable, etc.

But if viewed for a base station how do they stand???

Date: Mon, 06 Jul 1998 19:09:46 -0400
From: Ed Tanton <n4xy@att.net>
To: QRP-L Reflector <qrp-l@Lehigh.EDU>
Subject: [14495] [FWD] SG-2020 email from Walter, DK8KV-EXCELLENT
Message-ID: <3.0.5.32.19980706190946.00cd9240@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I received the message below from Walter, DK8KV earlier today. I think it is a very interesting and well-done description of some of the '2020's problems, and their sources/etc. I specifically obtained permission to repeat it here on QRP-L verbatim. Walter makes some VERY good points, and I expect to see some results from either SGC or some of us, with this kind of valuable information.

Nevertheless, the SG-2020 is mechanically a top RIG, Intercept-Point excellent.
No ghost signals in Europe on 40m near the broadcasting stations could be detected.

It is highly recommended to write down the Service-Adjustment values 1 - A !! When powering the TRX up and touch the CMD-button too early, you are in the adjustment mode. Stepping through by pressing MEM-button. Don't rotate the main tuning knob - this changes the actual settings. It is very difficult to recover all the settings when they are lost. (It happened to me).

vy73 Walter, DK8KV

//////////////////////////////////////
 //////////////////////////////////////

Ed Tanton N4XY EMAIL: n4xy@att.net
189 Pioneer Trail
Marietta, GA 30068-3466 TEL: (770)579-3933 V/MBX/FAX

INTERESTS:	QRP	BoatAnchors	Test Equipment	Photography
CW: 99.9%		Mercury Paddle # 0214		ORP to 150W: 95%

"Think you can, think you can't: either way you're right!" Henry Ford

Date: Mon, 6 Jul 1998 20:06:01 -0400
From: "John J. McDonough" <jjmcd@tm.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [14496] Re: A vertical for full band coverage
Message-ID: <199807062354.6869400@is1.tm.net>

MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

> From: rohre <rohre@arlut.utexas.edu>; owner-qrp-1@Lehigh.EDU
>
> An R7 owner asked for other vertical ideas:

I have been having very good success with 4 pieces of conduit bolted together to make a pipe resonant on 7.040. I load this with an MFJ tuner (I have a pretty short piece of coax running from the shack to the antenna so I haven't gone ga-ga on open wire).

This antenna doesn't seem to work very well on 80 or 12, but on all the other bands up through 6 it's been quite successful. As always with a vertical, the ground system is critical. Also, I may be blessed with rather good siting ... the ground falls away gently from the antenna and I'm in one of the higher spots in the county, but I have plenty of trees and houses blocking my view so it's not all gravy. I also suspect that the ground is rather conductive, since radials didn't improve the antenna compared to a single ground rod right at the base of the antenna.

This was supposed to be a quick, cheap stopgap measure, but it's been working so well I'm gonna stick with it.

72/73 de WB8RCR
dldleydadidah

Date: Tue, 7 Jul 1998 11:50:33 +1200
From: "Grindrod, Ross [Pulp & Paper]" <GRINDRR@chh.co.nz>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [14497] looking for these componets
Message-ID: <199807062349.LAA16271@host02.net.voyager.co.nz>
MIME-Version: 1.0
Content-Type: text/plain

Hi, List watchers
I am about to build a 6 mtr transverter, its an old design but are looking for a couple of
components that some of you may have in the junk box
looking for a so42p mixer chip
looking for a supply of bf981 transistors
If you have some ideas please contact me at grindrr@chh.co.nz
Thanks Ross ZL3DC

Date: Mon, 6 Jul 1998 19:45:40 -0400
From: "W.Keith Hibbert" <wb2vuo@frontiernet.net>
To: qrp-l@Lehigh.EDU
Subject: [14498] SMIRK URL(s)
Message-ID: <199807062345.TAA186346@node21.frontiernet.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Thanks to Bill, K4AHK and Rick, K0SU for the following URL's.

<http://6mt.com>

<http://www.smirk.org>

I have not had a chance to check them out yet, but will get back over on the Internet later tonite and see what I can see.

Still nothing on SWOT, except a lead from a local on 2 Meters to check out the Rochester VHF Group site, URL unknown as of yet, but the chairman of the VHF Group is a local, and I can call him on the phone for the info. Archaic, but the twisted pair still does work...

72/73, Keith, WB2VUO 100% QRP From the Great Bergen Swamp in WNY
ARRL Life Member, QRP-L #582, ScQRP #40, ARQRP #68
Trustee, NQ2RP/B 10 Mtr Milliwatting Beacon: 125 mW at 28.287 MHz
"My night light runs more power than my Rig!!!"

Date: Mon, 6 Jul 1998 20:03:24 EDT
From: RangerSF5@aol.com
To: qrp-l@Lehigh.EDU
Subject: [14499] BATTERIES *R* FREE
Message-ID: <6174f19c.35a165cd@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hi Gang

Some time ago,I made a post about batteries being recycled and several years ago,I decided to ask the owner of the store if I can take the whole box home

and check the batteries.

That was over 6 years ago and I *HAVE NOT* paid for a battery since.

Today I came home with over three hundred 9V batteries, 7 12 volt 2.4 amp and 5 9.6 volt batteries that came from a cordless drill, AMPS, unknown.

I can't give the 9 volt batteries away fast enough.

If you see a recycle box in a store, ask the owner if you can poke around and see what you come up with.

BTW, it helps to know someone in the medical field for the 9 volt batteries.

Most are usually used for 15 to 24 hours max on heart monitors,

Then they are trashed.

I also found a grey item in the bottom of the box that turned out to be a Black and Decker Flash light that you plug in the wall and recharge.

It works fine and I've had it on for 15 minutes now and it's still bright.

So dig and save.

The AA type are very easy to get and most are good.

AAA, *C*, and *D* are usually not worth the trouble of lugging home and checking.

Good Luck on your battery hunts

Bob

WA2HOQ

Date: Mon, 06 Jul 1998 20:12:26 EDT

From: k7sz@juno.com (Rick Arland)

To: qrp-l@Lehigh.EDU

Subject: [14500] VHF Reflector

Message-ID: <19980708.002829.6799.2.k7sz@juno.com>

Does anyone have subscription instructions and addresses for the VHF reflector?

73 rich K7SZ

You don't need to buy Internet access to use free Internet e-mail.

Get completely free e-mail from Juno at <http://www.juno.com>

Or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 6 Jul 1998 20:39:37 -0400

From: "Vincent Ferme" <vferme@sprint.ca>

To: <qrp-l@Lehigh.EDU>

Subject: [14501] NE602/SA602.

Message-ID: <002201bda93f\$b8c9ab20\$d71105d1@vince>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi,

I was checking the Phillips Semiconductor web page today and they have app notes for the SA602 dated Dec. '97. Sometime time ago there was mention the 602 was history, was the info referring to the NE602 only?

73 de Vince, VE3VFN.

Date: Mon, 6 Jul 1998 17:42:33 -0700 (PDT)
From: Christian - KF6IHU <kf6ihu@morphine.com>
To: qrp-l@Lehigh.EDU
Subject: [14502] Strange AM Boardcasat CW Transmission...
Message-ID: <199807070042.RAA22201@netcom3.netcom.com>

Was driving along Interstate 80 near Coralville, Iowa the other evening, and noticed a strange signal on the AM Broadcast band. It was at 0600Z on 3jul98 at 530kHz and was simply the letters 'UOC' being sent over and over in rather sloppy Morse.

Any ideas?

72/73 de KF6IHU/9 - Christian

Date: Mon, 06 Jul 1998 20:55:30 -0400
From: Paul Stroud <aa4xx@ipass.net>
To: klqrp <klqrp@waterw.com>
Cc: QRP-L <QRP-L@Lehigh.EDU>
Subject: [14503] July 5th KL Net
Message-ID: <35A17202.E6737116@ipass.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Gang,

Last night's session of the KL Net saw check-ins from several states. Good conditions enabled several milliwatters to check in with ease. Thanks for stopping by to say hello. The following folks made it into the WQ4RP log last night:

Ralph	N7RI	Charlottesville,	VA	599+	<1W	Dipole
Randy	WJ4P	Summerville,	SC	549	200mW	89'er
Don	W3RDF	N. Myrtle Beach,	SC	599+	5W	TAC-1, Loop, G5RV
Les	K4NK	Greenville,	SC	339	2W	HW-8
Chuck	K1CL	Chelmsford,	MA	439	4W	G5RV
Derek	WF4I	Greensboro,	NC	599+	5W	Sierra +
Pierre	KA2QPG	Rifton,	NY	449		
Gary	N3GO	Raleigh,	NC	589	74mW	SMiTE w dead batt!
John	WB1HBE	Chelmsford,	MA	339	2W	G5RV

We invite you to join us any Sunday night on 3686.4 KHz, beginning 9:30PM for another session of the KnightLite's Net.

72,

Paul AA4XX

Date: Mon, 06 Jul 1998 19:57:37 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: mikemo@ibm.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [14504] Re: Engineering tools web site
Message-ID: <35A17281.D3BE6F42@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Good stuff, Mike - thanks.

--

72/73, George

Amateur Radio W5YR, 52 years and counting!

QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403

AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

Michael Maiorana wrote:

>

> A friend pointed me to this site. It contains TONS of shareware

> engineering tools.

> http://208.147.96.36/c/mn/_swtech/

>
> One thing I liked is a inductor core database, with specs and
> manufacturers.
>
> 72 de ku4qo
> Mike Maiorana
> Palm Harbor, FL

Date: Mon, 6 Jul 1998 21:00:03 -0400
From: "Peter C. Buehner" <kc8er@harborcom.net>
To: <kf6ihu@morphine.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [14505] Re: Strange AM Boardcasat CW Transmission...
Message-ID: <005001bda942\$946c40a0\$244c44ce@ppp.harborcom.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello Christian,

Interesting. The same thing has been transmitted on that same frequency here in the North Eastern Ohio area - on and off. Except they transmit the letters "GF" slowly in CW. I never was able to learn what that was all about. Will be watching for responses...

de Pete, KC8ER
-----Original Message-----
From: Christian - KF6IHU <kf6ihu@morphine.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Monday, July 06, 1998 8:44 PM
Subject: Strange AM Boardcasat CW Transmission...

Was driving along Interstate 80 near Coralville, Iowa the other evening, and noticed a strange signal on the AM Broadcast band. It was at 0600Z on 3jul98 at 530kHz and was simply the letters 'UOC' being sent over and over in rather sloppy Morse.

Any ideas?

72/73 de KF6IHU/9 - Christian

Date: Mon, 06 Jul 1998 20:00:05 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: phelbert@rica.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [14506] Re: Field day Motor-Generator unit adjustment.
Message-ID: <35A17315.2E3B8CC@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

As the frequency of the power supply decreases, core loss of
transformers increases. How low can you go? How hot can they get?

--
72/73, George
Amateur Radio W5YR, 52 years and counting!
QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403
AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

Paul Helbert wrote:

>
> We adjust for the proper voltage and don't worry too much about the
> frequency. I guess it could become a problem for the power supply
> transformers if the frequency were way low. Unless you are running
> clocks off the ac there shouldn't be much to worry about...or did I miss
> something?
>
> Paul, Wv3j

--
72/73, George
Amateur Radio W5YR, 52 years and counting!
QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403
AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

Date: Mon, 6 Jul 1998 21:18:17 -0400
From: Stewart Whitehouse <STEW_W@compuserve.com>
To: Low Power Amateur Radio <QRP-L@Lehigh.EDU>
Subject: [14507] Elmer 101: Low sensitivity
Message-ID: <199807062118_MC2-5256-1F35@compuserve.com>

MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

Hi Folks.

Just couldn't wait any longer so I finished up my SW40+.
Transmitter works fine at about 1.5 watts out and keying
sounds great.

Receiver is weak and I can only hear the
strongest signals. (S7 or better on the big rig, same ant.).
When peaking up the receiver, the strongest signal is when
T1 is turned to end of travel in the clockwise direction. In
other words, full in. I'm not able to get a peak, just gets better
until end of travel. Should I start playing with the value of
C1, or is some other problem indicated? When keying the
transmitter, there is a pretty good thump each time the key
is closed.

I tuned in a signal for best reception and then switched the
antenna to the big rig and tuned in the same signal. With
the SW40 keyed into the dummy load the transmit freq was
right on with the other signal. From this I would say that the
receive offset is just about right.

With a 22pf for C7 and some squeezing the turns of L1 I get
a turning range of 7022-7063. Used clear nail polish to set
the turns and hot glue to secure the toroids to the board.
I can shake the board and there is no noticeable frequency
change.

72
Stew KE4YH
Dunedin, Florida
EL88oa

Date: Mon, 06 Jul 1998 21:21:22 -0400
From: Tom Palmer <n1tp@worldnet.att.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [14508] [Fwd: Fw: Happy 4th of July!]
Message-ID: <35A17812.EB1D1AF1@worldnet.att.com>
MIME-Version: 1.0
Content-Type: multipart/mixed; boundary="-----1B0C91E35DB86C264152FA45"

This is a multi-part message in MIME format.

-----1B0C91E35DB86C264152FA45

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

-----1B0C91E35DB86C264152FA45

Content-Type: message/rfc822

Content-Transfer-Encoding: 7bit

Content-Disposition: inline

Received: from mail.cvn.net ([207.44.16.25]) by mtiwgwc03.worldnet.att.net
(Intermail v3.1 117 241) with ESMTP

id <19980707005810.BNMQ28192@mail.cvn.net>

for <n1tp@worldnet.att.net>; Tue, 7 Jul 1998 00:58:10 +0000

Received: from paulkar ([204.183.206.225]) by mail.cvn.net

(Post.Office MTA v3.1 release P0205e ID# 0-49381U10000L4000S0)

with ESMTP id AAA221; Mon, 6 Jul 1998 20:54:30 -0400

From: paulkar@cvn.net (paulkar)

To: "Tom Palmer" <n1tp@worldnet.att.net>,

"Paula Karchner" <pkarchnr@ciab.com>

Subject: Fw: Happy 4th of July!

Date: Mon, 6 Jul 1998 20:54:46 -0000

X-MSMail-Priority: Normal

X-Priority: 3

X-Mailer: Microsoft Internet Mail 4.70.1155

MIME-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: 7bit

Message-ID: <19980707005428695.AAA221@paulkar>

> Date: Monday, July 06, 1998 2:41 PM

>

> >

> > Here's a neat link; it takes a minute to load, so be patient! Hope it

> > works for all of you!

> >

> > <http://www.prwebdesign.com/4thjuly.htm>

> >

> > Rodmans

> >

> > -----
> > DO YOU YAHOO!?

> > Get your free @yahoo.com address at <http://mail.yahoo.com>

>

>

-----1B0C91E35DB86C264152FA45--

Date: Mon, 6 Jul 1998 21:30:11 -0400
From: "GREGORY HEATH" <kb2qqm@email.msn.com>
To: "QRP-L (SENDING ? TO QRP-L)" <qrp-l@Lehigh.EDU>
Subject: [14509] Source of Crystals?????
Message-ID: <0e5fb4333010778UPIMSSMTPUSR06@email.msn.com>

Hi, anybody have any URL's for Crystal suppliers. I am trying to get a DX-60 on the air, and dont have any crystals. thanks in advance. Greg KB2QQM. I am looking for a 3885 or 3880, yes AM i know...sorry.

Date: Mon, 6 Jul 1998 21:40:45 -0400 (EDT)
From: art marshall <w1fji@vistech.net>
To: qrp-l@Lehigh.EDU
Subject: [14510] QRP freqs
Message-ID: <199807070140.VAA12004@44mag.vistech.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I would like to know on wat freqs qrp'ers hang out on, I keep tuning around but dont hr anyone sign qrp, please let me know tks 73 art w1fji

Date: Mon, 6 Jul 1998 21:49:07 EDT
From: Ab7wy@aol.com
To: qrp-l@Lehigh.EDU
Subject: [14511] strange AM CW
Message-ID: <348a26f2.35a17e94@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

i think what you are hearing is airport locators, they are usually 2 or 3 letters in CW repeated round the clock to identify the originating airfield.

i cant really explain why you are hearing it on the am bc band. i used to hear the same thing on my bc rcvr, it eventually led to me learning cw and getting a license (NL7CT). i bet if you look at the tags on luggage coming out of your local airport, you will see those letters that your hearing. hope im right about this...thats how it was explained to me 15 years ago, and it was right. maybe the reason your hearing them on am is spurious harmonics, they are found in the fm broadcast band as well. if you find a better explanation, please post it. ill be curious to hear other possible sources. 73 Adam, AB7WY (pilot wanna-be)

Date: Mon, 06 Jul 1998 20:46:29 -0500
From: David Gauding <david.gauding@bbs.galilei.com>
To: qrp-l@Lehigh.EDU
Subject: [14512] Re: SLV Radials?
Message-ID: <1.5.4.32.19980707014629.00cc3f98@bbs.galilei.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Dear OM Bruce,

The radiator lengths noted in the diagram accompanying W6MMA's loading coils are pretty reliable. I haven't used my coil in awhile but to get the best SWR on a given band, plan on having at least two upper radiators of different lengths. The lengths vary slightly depending on your particular antenna configuration.

Regarding radials, I now install St. Louis Radials under all SLV variations (the original SLV, an N0TFI coil mod, and the W6MMA coil mod). The SLR article was re-printed in the Fall 1997 issue of QRPp.

For a ground mounted SLV, I currently use six SLR sets. These particular sets have seven 16.5' conductors. Each provides 115' of wire or about 700' in a compact footprint that is easily installed/retrived.

For Field Day this year, the St. Louis QRP Society used a dozen 16.5' SLR's under the new St. Louis Pocket Vertical tuned for 40m. Last year, the same system went under a Random Wire Vertical configured as a half-wave on 20m. These are serious portable vertical antennas and they did a fine job for us!

If you choose an elevated SLV then the original SLR's featuring conductors cut for each band (10-40m) are worth considering. These lengths seem to provide a better match with a coarsely tapped coil such as the W6MMA when it is above the ground. I find that desirable for minimalist homebrew rigs which like to see something real close to 50 ohms at all times.

If your never going to use an elevated SLV then by all means build SLR sets with all conductors cut to the same length. The building process is simpler and no wire is wasted. This recommendation also applies when using a tuner as SWR and bandwidth are no longer major concerns.

As soon as I get a good deal on a fresh supply of ribbon cable it will be time to build a new SLR set with all conductors cut to 33.5', thus optimized for good 'ol 40m. They will be terminated at the far in in a round solder lug. Then it's much easier to tie them off when using an elevated mounting.

For the record, the prototype SLR's met an untimely death under tractor drawn lawn mower in a local schoolyard. I left them behind one night after being surprised near dark by a heavy rain and you know the rest of the story.

Best regards,

de Dave, NF0R nf0r@slacc.com

Date: Tue, 07 Jul 1998 01:58:57 -0700
From: "Harvey D. D. Hetland" <n6mm@earthlink.net>
To: qrp-l@Lehigh.EDU
Subject: [14513] Re: Strange AM Boardcasat (sic) CW Transmission...
Message-ID: <35A1E350.5434@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have been out of the broadcasting scene for a few years, and my copy of Title 47 of the US Code of Federal Regulations, Part 2, Section 2.106 is not current. However, the 1990 allocation table shows 525-535 kHz allocated in the United States for "mobile" and "aeronautical radionavigation (radio beacons)". The designated FCC uses are for Aviation (Part 87) and Private Land Mobile (Part 90). There is a note

of a "special-use frequency" of 530 kHz for travelers' information. In these parts they have signs along the highways sometimes referring drivers to 530 kHz. I saw pictures in a trade magazine a few years back of a portable (trailer mounted) unit with a telescoping mast that was used for traffic advisories. However, if it was code it is probable that it was an aviation navigation beacon ... at least that would be my first guess.

73, Harvey, N6MM.

Date: Mon, 06 Jul 1998 21:24:32 -0500
From: Wayne Alexander <walexander@wnn.net>
To: qrp-l@Lehigh.EDU
Subject: [14514] 10m
Message-ID: <3.0.3.32.19980706212432.006b2228@pop.wnn.net>
Mime-Version: 1.0
Content-Type: text/enriched; charset="us-ascii"

There sure alot of SSB going on but no CW. Where is everyone? I wanted to work a FOX. OH well.

<paraindent><param>out</param>73

</paraindent>KB0PTE

Wayne

QRP-L #1058

FISTS # 4907

Date: Mon, 06 Jul 1998 22:27:47 -0700
From: ka1iic <ka1iic@ime.net>
To: kf6ihu@morphine.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [14515] Re: Strange AM Boardcasat CW Transmission...
Message-ID: <35A1B1D3.F7D@ime.net>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi,

Most likely the signals you are hearing are the 2nd harmonic of airport locators...

The signal on 530 Khz divided by 2 equals 265 Khz and that is where most of these beacons are located in frequency.

Many years ago when I was an SWL I use to log hundreds of these stations plus normal broadcast stations on VLF located in Europe. BBC etc. These stations are best heard in the winter time when noise is at its lowest.

Hope this has been of help.

Vince
ka1iic
-.-.

Date: Mon, 6 Jul 1998 19:45:58 -0700 (MST)
From: Chris Trask <ctrask@primenet.com>
To: Vincent Ferme <vferme@sprint.ca>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [14516] Re: NE602/SA602.
Message-ID: <Pine.BSI.3.96.980706194417.29668C-1000000@usr07.primenet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 6 Jul 1998, Vincent Ferme wrote:

> Hi,
>
> I was checking the Phillips Semiconductor web page today and they have app
> notes for the SA602 dated Dec. '97. Sometime time ago there was mention the
> 602 was history, was the info referring to the NE602 only?
>

The NE602 has been replaced with the NE612, which is a commercial temperature range part. The NE602 was only 10% of the production, and it made no sense to continue it. The NE612 is the exact same part, and you can use it in Thule in January. :{)

Circuit Design for the
RF Impaired

Chris Trask / N7ZWY
Principal Engineer
ATG Design Services
P.O. Box 25240
Tempe, Arizona 85285-5240

Technical Editor,
QRP Quarterly
QRP ARCI 9464

Email: ctrask@primenet.com
<http://www.primenet.com/~ctrask>

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>Was driving along Interstate 80 near Coralville, Iowa the other evening,
>and noticed a strange signal on the AM Broadcast band. It was at 0600Z on
>3jul98 at 530kHz and was simply the letters 'UOC' being sent over and over
```

>in rather sloppy Morse.

>

>Any ideas?

>

>72/73 de KF6IHU/9 - Christian

What you heard is the "Hawkeye" Non-directional Beacon located at the Iowa City airport. It's the primary instrument approach aid at that particular field. It's actually on 524 kHz, but was probably slopping over to 530. You must have passed pretty close to it on I-80.

The specific details are:

UOC

HAWKEYE NDB

IOWA CITY, IA

Location

Lat/Long: 41-37-55.261N / 091-32-34.303W (41.6320169/91.5428619)

Elevation: 648 ft.

Variation: 02E

Operational Characteristics

Type: NDB

Class: MHW

Frequency: 524

Hours of operation: 24

Voice: no

Voice ID: no

Morse ID: ... --- ...

Station call name: NONE

Technical Characteristics

Power: 25 watts

Accuracy: NOS

Monitoring category: 1

Owner: CITY OF IOWA CITY

Operator: CITY OF IOWA CITY

Remarks

NDB LCTD 50' FROM APCH END RWY 35; 880' E OF CENTERLINE.

Technical info on LF beacons and other aeronautical navaids can be found at:
<http://www.airnav.com>

Regards,

Jim Barrett - KC2DCC

jbarrett@stny.1run.com

Date: Mon, 6 Jul 1998 19:54:58 -0700 (PDT)
From: KC5TJA <kc5tja@topaz.axisinternet.com>
To: Christian - KF6IHU <kf6ihu@morphine.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [14518] Re: Strange AM Boardcasat CW Transmission...
Message-ID: <Pine.LNX.3.96.980706195410.22032C-1000000@topaz.axisinternet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 6 Jul 1998, Christian - KF6IHU wrote:

> Was driving along Interstate 80 near Coralville, Iowa the other evening,
> and noticed a strange signal on the AM Broadcast band. It was at 0600Z on
> 3jul98 at 530kHz and was simply the letters 'UOC' being sent over and over
> in rather sloppy Morse.

The AM Broadcast band is also a part 15 band on a secondary basis; perhaps someone is using it the same way they use the 1750m band, and you happened to be close enough to the transmitter?

=====

KC5TJA/6		- TEAM DOLPHIN -
DM13		Samuel A. Falvo II
QRP-L #1447		http://www.dolphin.openprojects.net

Date: Mon, 6 Jul 1998 19:52:07 -0700
From: Keith Martin <bmartin@ccosmo.net>
To: <qrp-l@Lehigh.EDU>
Subject: [14519] Re: HELP!
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit
Content-Disposition: inline

I need a qrp rig. It will be my first. I would like to trade one of the following

for one:

- Hamtronics satellite receive converter, new(\$99.00)and never used. (Factory built - can be seen at hamtronics.com)
- H.P. Deskjet 500 printer. (new condition with line draw expansion cards).
- 386 computer with SVGA card, 2 CD rom's, 1.2 GB hard drive, 2 1/4 drive, modem, Pro Audio Spectrum sound card and keyboard. (w.o. display).
- Handheld Logitech scanner with interface card and software. (for scanning pictures into your computer. (New condition).

All items are in great condition and work perfect.

Thanks,

Keith
KA6ASJ

Date: Mon, 6 Jul 1998 23:28:06 -0400
From: "Jim Barrett - KC2DCC" <jbarrett@stny.lrun.com>
To: <qrp-1@Lehigh.EDU>
Subject: [14520] Mystery Morse on 530
Message-ID: <000f01bda957\$421408a0\$d681d2cc@sable.stny.lrun.com>
MIME-Version: 1.0
Content-Type: multipart/related;
 boundary="-----_NextPart_000_0009_01BDA935.BA63B7A0";
 type="multipart/alternative"

This is a multi-part message in MIME format.

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Content-Type: multipart/alternative;
 boundary="-----_NextPart_001_000A_01BDA935.BA63B7A0"

-----=_NextPart_001_000A_01BDA935.BA63B7A0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Additional info on the UOC beacon. It was mentioned that it was heard on =
I-80 near Coralville IA.

I downloaded a map from <http://tiger.census.gov> which shows the area. =
The reception location was only about 5 miles from the Iowa City =
airport, where the UOC beacon is located (transmitting on 524 kHz).

The blue star marks the airport (and beacon).

This image won't be visible to those using non-html-enabled mail =
readers.

Regards,

Jim Barrett - KC2DCC

jbarrett@stny.1run.com

-----=_NextPart_001_000A_01BDA935.BA63B7A0

Content-Type: text/html;

charset="iso-8859-1"

Content-Transfer-Encoding: quoted-printable

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<BODY>

<DIV>Additional info on the UOC beacon. It was mentioned that it was =
heard on=20

I-80 near Coralville IA.</DIV>

<DIV> </DIV>

<DIV>I downloaded a map from <A=20

href=3D"http://tiger.census.gov"><http://tiger.census.gov> which shows =
the area.=20

The reception location was only about 5 miles from the Iowa City =
airport, where=20

the UOC beacon is located (transmitting on 524 kHz).</DIV>

<DIV> </DIV>

<DIV>The blue star marks the airport (and beacon).</DIV>
<DIV> </DIV>
<DIV> </DIV>
<DIV>This image won't be visible to those using non-html-enabled mail=20
readers.</DIV>
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<DIV>Regards,</DIV>
<DIV> </DIV>
<DIV>Jim Barrett - KC2DCC</DIV>
<DIV> </DIV>
<DIV><A =
href=3D"mailto:jbarrett@stny.lrun.com">jbarrett@stny.lrun.com</DIV>
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-----_NextPart_001_000A_01BDA935.BA63B7A0--

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Content-Type: image/gif

Content-Transfer-Encoding: base64

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Gwh82JJ+uW8ybmX4+PSddeL2E8LZ/mid71xChYxT23Q4jSF8K5x/4vmPT250W1c9U0AsoiQsKUQi
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-----=_NextPart_000_0009_01BDA935.BA63B7A0--

Date: Mon, 06 Jul 1998 12:45:36 -0700
From: Ken Lopez <kjlopez@earthlink.net>
To: kf6ihu@morphine.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [14521] Re: Strange AM Boardcasat CW Transmission...
Message-ID: <35A199C2.220C@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Christian - KF6IHU wrote:

>
> Was driving along Interstate 80 near Coralville, Iowa the other evening,
> and noticed a strange signal on the AM Broadcast band. It was at 0600Z on
> 3jul98 at 530kHz and was simply the letters 'UOC' being sent over and over
> in rather sloppy Morse.
>
> Any ideas?

University of Coralville? Naw, couldn't be...

Date: Mon, 06 Jul 1998 22:44:18 -0700
From: Don Bowen <don.bowen@chrysalis.org>
To: Ab7wy@aol.com

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [14522] Re: strange AM CW
Message-ID: <35A1B5B2.4BA3@chrysalis.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The last time that I flew a light plane (nearly 20 years ago), automatic direction finding (ADF) stations or non-directional beacons operated on frequencies just below the broadcast band, all the way down to about 200 kHz. The code groups did (do?) identify the airport - not usually a large municipal airport, but a small FBO - in MCW, a.k.a. amplitude modulated tones. Usually, the tones modulate the carrier at about 50 to 70%, so they are weak, compared to the carrier.

I believe that ADF is still alive and well. If so, that is more than likely what you hear; however, to confirm it, you need to go by your local airport and pick a sectional chart for the area in question and look for the ID that you hear in code. It is not likely that you will find ADF at major airports nowadays.

Don Bowen
K5LHO

Ab7wy@aol.com wrote:

>
> i think what you are hearing is airport locators, they are usually 2 or 3
> letters in CW repeated round the clock to identify the originating airfield.
> i cant really explain why you are hearing it on the am bc band. i used to
> hear the same thing on my bc rcvr, it eventually led to me learning cw and
> getting a license (NL7CT). i bet if you look at the tags on luggage coming out
> of your local airport, you will see those letters that your hearing. hope im
> right about this...thats how it was explained to me 15 years ago, and it was
> right. maybe the reason your hearing them on am is spurious harmonics, they
> are found in the fm broadcast band as well. if you find a better explanation,
> please post it. ill be curious to hear other possible sources. 73 Adam,
> AB7WY (pilot wanna-be)

Date: Mon, 06 Jul 1998 22:47:44 -0500
From: Bob Liesenfeld <wb0poq@visi.com>
To: QRP-L reflector <qrp-l@Lehigh.EDU>
Subject: [14523] Attachments
Message-ID: <35A19A60.383E97C2@visi.com>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

<sigh>

When will people learn that sending attachments et al to the list is a *bad* idea???

Good thing I have tape backups of my system.
Thanks guy.....

--

Genuine E-mail From the Land of the Everlasting Icicle...
Bob Liesenfeld
wb0poq@visi.com

Date: Mon, 06 Jul 1998 23:51:23 EDT
From: sigcom@juno.com (Stephen M Smith)
To: qrp-1@Lehigh.EDU
Subject: [14524] Re: CB-10M conversion, how much interest?
Message-ID: <19980706.205036.8151.0.sigcom@juno.com>

Group,

(Before I get wound up, can some one private e-mail me with the name of that citrus based cleaner that is good for removing adhesives?)

OK, even the "scourger maximo" gives up once in a while. After fooling around with a few C.B. rigs this weekend, I have decided that as a one-off project, theyr'e just not worth the trouble to convert to 10 meters C.W.. I might use 'em for parts or peddle 'em at the swap meet.

Steve Weber is right. The problem with latter day C.B.s is that the synthesizer chips in those rigs are purpose built and can't be persuaded to do anything other than C.B.. No more "magic jumpers" or a simple crystal change like in the old days.

It's not impossible to do, mind you, but after all the hassle of making the synthesizer go to 10 and then narrowing up the receiver and modifying the T/R switching for C.W. -and- adding a BFO/product detector (whew!) you'd probably be better off to build a ham kit designed from the get go for 10 meters.

For those wanting to learn how things work, however, C.B.s are certainly cheap enough (I got all the ones I have for free) making them worth torturing without worrying about accidentally killing the thing. -And- for homebrewers, lots of good parts in those rigs, all the transistors

will work up through 10 meters, the final amplifier transistors being quite robust devices.

All that being said, I'm still interested in Steve's proposal for a group "conversion" of a common radio (or at least radios with a common synthesizer chip) to use on A.M.. That's probably the only way to make the project practical and keep it inexpensive. I vote for rigs with the Sanyo LC7185 chip. Guess what I have the most of ! :-). The Uniden Pro 510XL is a good cheap little unit, but the synthesizer is SMD and removing or attaching to that might be a hassle. Gotta find a bunch of units cheap, cheap. Like how about \$10.00 a throw. The Tech America deal is getting close, but hey, I -am- the scrounger. (BUY a C.B.?? Yecch!) Hmm....29.000 to 29.500 oughta get us far enough away from the free-banders. This could get interesting.

73.....Steve, WB6TNL Oxnard, CA QRP-L # 621 NorCal Zombie # 2065
SCQS # 41

ex-WN6TNL (1967)

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Date: Mon, 06 Jul 1998 20:05:27 -0800
From: "Jim Larsen (AL7FS)" <larsennnc@alaska.net>
To: qrp-l@Lehigh.EDU
Subject: [14525] Spartan Sprint (July 98) de AL7FS
Message-ID: <35A19E87.34F504F7@alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Greetings from Alaska,

I snuck out of work a few minutes early so I could get home by 5:00 PM. The 20 meter band was not particularly good but I decided to stick it out for the duration. I could copy K8CW and WV3J but could not get to them. Finally by 0117Z I snagged AE9K in Wisconsin. At 0120Z all signals were very weak and I could only hear about 3 signals in the QRP portion of the band.

QSB was very bad and sometimes very interesting. For example, at 0223Z, AB5UA came up out of the noise to a 559. Within 60 seconds or so he had risen, peaked, dropped and by the end of the QSO was totally gone for

good. I did manage 13 contacts and 9 S/P/Cs all on 20 meters.

In the last 40 minutes of the Sprint I worked OK, MO, CA and VE3 so there was propagation to be had. I suspect most of you were down on 40 meters. I checked that out at 0230Z but there was nothing. It was still over 5 hours to sunset for us up here.

Final comment...KD7AEE was 339 when I worked him. At the end he turned the beam to Alaska and finished at 579. Move those beams around folks! Rotate those verticals. :-)

I had fun. Thank you one and all.

73, Jim, AL7FS,
Anchorage, Alaska

Date: Mon, 06 Jul 1998 23:46:43 -0500
From: W9SUL <pugrad@millcomm.com>
To: qrp-l@Lehigh.EDU
Subject: [14526] July Spartan Sprint... from SE Minnesota
Message-ID: <1.5.4.32.19980707044643.0069d0d0@millcomm.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Tons of fun as always. 20 meters was ok here in SE Minnesota... I tried and left 40 meters after only one contact (in the middle of the 2 hours) due to QRN/QRM there.

I had equal success using S&P and calling CQ on 20 meters. Signal strengths varied due to QSB... needed to get some of them at their peaks.

All in all, logged 14 contacts which included 11 SPC's spread all over the country. No pattern tonight.

The last contact, as the time was expiring, was quite unusual. In response to my CQ, VE2KRM/W1/MM answered. Operator was Gery on a commercial vessel on Lake Champlain. Quickly explained the QRP "event" and he wanted to go to 5 watts. Unfortunately, I was losing him at his QRO power level. So we passed on that. We did have a nice but short QSO before he faded away. Great way to end a FUN night!!

Date: Mon, 6 Jul 1998 21:41:14 -0700
From: "Frank A. West" <ke6vhm@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [14527] Re: CB-10M conversion, how much interest?
Message-ID: <199807070450.VAA29342@hawk.prod.itd.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Yeah - me too - I've got a lot of that old junk laying around too
Think I might have a couple that are just a xtal change and a little
retuning. Might be fun too.
72 de Frank

Date: Mon, 6 Jul 1998 23:47:01 -0400
From: w2bj@juno.com (Barry J Minsky)
To: kf6ihu@morphine.com
Cc: qrp-l@Lehigh.EDU
Subject: [14528] Re: G5RV, the amateur, not the antenna
Message-ID: <19980707.004840.18526.0.w2bj@juno.com>

Yes. The allocation in Europe is 7-7.1. I recently moved back to the US
from Germany where I was DA2BM. Most of the 40 meter CW in Europe is
found from 7 to 7.035.

72/73,

Barry J. Minsky, W2BJ

ARRL, QRP ARCI #8871, NorCal #1560, QRP-L #1543, FISTS #2701,

Knightlites, Adventure Radio Society #359,

Six Club #151, Quarter Century Wireless Ass'n #29298, Old Old Timers

Club #3723

Amateur Radio Missionary Service

On Mon, 6 Jul 1998 15:49:57 -0700 (PDT) Christian - KF6IHU

<kf6ihu@morphine.com> writes:

>On Mon, 6 Jul 1998, Harvey D. D. Hetland wrote:

>

>> Apparently Lousi, G5RV is moderately active. I recently worked him

>on

>> 20m on 12 June 1998 (unfortunately while QRO) when he called me

>after

>> another QSO. His picture recently appeared in QRZ DX. On his QSL
>card
>> Louis noted that he is now 87 years old and after a career with
>Marconi
>> Coy in which he traveled extensively he is very happy to have
>settled
>> down with his wife who is from Uruguay. There is a very long list
>of
>> calls on his QSL he held starting in 1927. If you hear him on give
>him a
>> call. I will certainly treasure his QSL.
>
>I worked G5RV on 40m then noticed I was in the 40m novice band around
>7.115. It's my understanding this is not an allocation in Europe? That
>same night I worked stations claiming to be other european countries
>as
>well but chalked it up to some joker. Isn't the european 40m
>allocation
>only 7-7.1?
>
>72/73 de KF6IHU/9 - Christian
>
>
>

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Date: Mon, 06 Jul 1998 23:57:40 +0000
From: Patrick Cook <pcook@milehigh.net>
To: k7sz@juno.com, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [14529] Re: VHF Reflector
Message-ID: <19980707055821843.AAA195@pcook>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 08:12 PM 7/6/98 -0400, Rick Arland wrote:
>Does anyone have subscription instructions and addresses for the VHF
>reflector?

Rich, unless my information is old, I believe it is as follows:

Subscription Address: majordomo@blacksheep.org

Reflector Name: vhf-dx-discuss

Enter the Reflector name in the BODY of your message to Majordomo WITHOUT your .sig file.

Hope this helps.... :-)

72/73's for now my friends!!! :-)

Patrick Cook
pcook@milehigh.net
kb0oxd@qsl.net
Denver, Colorado

P.S.: If the listowner/maintainer could kindly set my subscription to QRP-L to nomail (or the listproc equivalent thereof), it would be much appreciated as I lost the instructions in the WELCOME file due to a system crash. I will be offline for awhile. Many thanks in advance....
Patrick Cook, KB00XD

Date: Tue, 7 Jul 1998 00:08:05 -0700
From: Conrad <radman@best.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [14530] Boy Scout/Girl Scout CPO kit... info
Message-ID: <01BDA93B.51360020.radman@best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Gang,

Someone on QRP-L was requesting help re: where to find a Code Practice Osc kit for the Scouts. Jade Products sells the ARRL Code Practice Oscillator kit and discounts to Scouts, Churches, non-profit, etc.

Call: 1-800-JADEPRO or URL:
http://www.jadeprod.com/cpo_ind.html

(Not related to Jade... but, I used to be a Scout :))

GL/72 - Conrad Weiss - NN6CW

Date: Tue, 07 Jul 1998 00:44:22 -0700
From: Jerry Parker <jparker@fix.net>
To: qrp-1@Lehigh.EDU
Subject: [14531] We Have a WINNER/NorCal 'Toon Contest
Message-ID: <2.2.32.19980707074422.00c2c668@fix.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

The 'Toons were in and the lineup was held Sunday at the NorCal Meeting.
After careful consideration the vote was in and the winners picked.
The 1st Place entry, pictured above, was submitted by Mike Parkes, AB7RU.
Congrats Mike! GREAT JOB!

Mike Gipe K1MG, Bertie N7XJW, and Earl Mead KE6ESM were runners up.

Earl Mead KE6ESM deserves a special mention for the most entries!

What a super response.

All entrants will receive a limited edition NorCal 'T' Shirt with the
Winning NorCal Zombie 'Toon.
These will be available and details will follow.

I would like to thank all the entrants for the GREAT effort.

The Winning and runners up entries are posted on the NorCal Page:

<http://www.fix.net/norcal.html>

Enjoy and 72,
Jerry, WA6OWR

Date: Tue, 07 Jul 1998 03:47:43 -0500
From: Dave Sjolín <sjolin@swbell.net>

To: pcook@milehigh.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [14532] Re: VHF Reflector
Message-ID: <35A1E0AF.585A9474@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Patrick Cook wrote:

>
> At 08:12 PM 7/6/98 -0400, Rick Arland wrote:
> >Does anyone have subscription instructions and addresses for the VHF
> >reflector?
>
> Rich, unless my information is old, I believe it is as follows:
>
> Subscription Address: majordomo@blacksheep.org
> Reflector Name: vhf-dx-discuss
>

What is commonly referred to as the VHF reflector can be subscribed to
by sending a message containing the word "subscribe" to the following
url:

vhf-request@w6yx.stanford.edu

Any problems, let me know. 73 de Dave, N0IT

Date: Tue, 7 Jul 1998 06:30:52 -0400 (EDT)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: James P Rybak <jrybak@mesa7.mesa.colorado.edu>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [14533] Re: Antenna references, etc
Message-ID: <Pine.GS0.3.96.980707061313.11038C-1000000@moe.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

> I have some questions about the effect of the "quality" of the ground. I
> live in a near-desert area with very dry sandy, rocky soil. My antenna
is a 40-meter
> Windom only 25 feet in the air. I live on a hill which is probably
> another 25 feet higher than the surrounding area. I have no complaints
> about my antenna but the way I read the antenna books, I've got
> substantially less than an "ideal" situation.
>

> Can anyone please tell me why I'm so fortunate given my lousy ground, etc.?
> How would I model my ground for Mininec, etc.?

Jim,

Your antenna is a horizontal antenna with horizontally polarized radiation. The quality of ground has very little effect on the far field pattern strength--and none on shape--for all such antennas--dipoles, Yagis, horizontally oriented loops, quads fed at bottom or top, etc.

You can verify this for your self with your modeling program. Take any horizontal antenna. (With MININEC, be sure to set it over 1/4 wl above the ground.) Then run the antenna pattern. Change the ground conditions through the full range of what is available by way of present options.

With W7EL products these are

Very poor	Cond = .001 S/m	D.C. = 5
Poor	.002	13
Good	.005	13
Very Good	.0303	20

There is a more complete chart in the reference manual. (I sometime discover that some users have not printed out the user manual to keep on hand because it takes so much paper and time. However, it is a goldmine of information.) The ARRL Antenna Book has a more complete chart, along with a map with conductivity reading around the country. There are even more precise geological surveys available from appropriate govt offices for local regions.

Where ground quality becomes a major issue is with vertically polarized antennas--ground planes, vertical dipoles, etc. There are numerous questions and issues here involving losses in the immediate area beneath the antenna and with more distant ground and its affect on the far field pattern of a verticaly polarized antenna. You can get a feel for this by placing a vertical dipole over the ground at some height and running the same set of ground condition changes.

In general, with horizontally polarized antennas, ground quality is not an issue. Now terrain in all the directions of interest can be an issue, and there is some software (K6STI has a package and N6BV has a differnt package) for analyzing the effects on signal angle, etc.

Hope this helps.

-73-

LB, W4RNL

Date: Tue, 7 Jul 1998 08:08:36 -0400 (EDT)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: "Ed Hare, W1RFI" <ehare@arrl.org>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [14534] Re: Dipole as a reference antenna
Message-ID: <Pine.GS0.3.96.980707075058.11688D-100000@moe.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

> GW 1,11,-130.89,-10.552,36.5759,-130.89,10.5527,36.5759,.147

Before anyone purchases materials for this antenna (and it is a good study antenna), please note that the scaling of the antenna elements from their UHF version produces a challenge for antenna constructors. The .NEC file line above tells us why.

The line is Wire # 1, with 11 segments. End 1 is X=-130.89, Y=-10.5527, Z = 36.5759; End 2 is -130.89, Y=+10.5527, Z = 36.5759. X is the rearward placement of the element. Y is the element length (2 x 10.5527 meters), and Z is the height, all in meters.

The last entry is the wire radius in meters. The wire diameter is 0.294 meters, or about 11.5". So if you are planting trees spaced to support these elements, be sure that they are the mightiest of oaks--redwoods might be much better--and be patient for them to grow into the task of supporting elements nearly 1' in diameter.

If you simply reduce the wire size to something more manageable, expect to spend long hours re-optimizing the beam--and expect narrower operating bandwidth out of it.

Frequency scaling antennas for other bands is a good beginning for transferring properties developed at one frequency for another, but it is only the beginning. Preservation of antenna properties requires scaling all elements lengths and spacings--and also the wire diameter. The feasibility of the result for anything more than study purposes (or a bit of dreaming) depends on being able to find materials that are very close to the scaled diameters--or it requires re-optimizing for available materials.

Wonder what dimensions an optimized version of this beam might have for #12 copper wire. Unless one wishes to make wire cages for each of the elements.

Hope this helps everyone read the NEC file lines, even if it does not help

make the beam a reality on 40 meters.

-73-

LB, W4RNL

Date: Tue, 07 Jul 1998 09:03:21 -0400
From: Zack Lau <zlau@arrl.org>
To: qrp-1@Lehigh.EDU
Subject: [14535] Re: Antenna references, etc
Message-ID: <35A21C99.3626@arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

You can perform an experiment with light to show that ground quality doesn't matter all that much for low angles of radiation--try to find a flat surface that won't reflect light at shallow angles.--Zack lau W1VT

Date: Tue, 7 Jul 1998 09:02:25 -0400
From: "Vincent Ferme" <vferme@sprint.ca>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [14536] Re: CB-10M conversion, how much interest?
Message-ID: <002501bda9a7\$7e33f9d0\$b31005d1@frsswilap04284.callnetcanada.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

This is the right time to do it, 10 M will go "crazy" very soon.

As mentioned, the PLL is the problem or solution depending on what you got in your CB. I remember a very popular radio, the Cobra 140/148 GTL, the early models were very easy to modify. The Cobras have seen 2 maybe 3 different PLL chips. I understand the current models are "impossible" to move to 10 M. The message is: don't just go by the radio's model number, check the PLL chip inside.

I would avoid radios that use a crystal mixing scheme, these are easy to modify but will require custom crystals, and as we all know, can get pretty expensive. I modified an old 23 channels Lafayette SSB and would never do it again, it's cheaper to buy a used HTX 100.

73 de Vince, VE3VFN.

Date: Wed, 22 May 1996 19:52:47 -0400
From: "Harry T. Hurst" <hhurst@delaware.infi.net>
To: <qrp-1@Lehigh.EDU>
Subject: [14537] RE: CB-10M conversion, how much interest?
Message-ID: <199807071304.JAA24958@fh101.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Sounds like fun. I'm interested!

I have an old Lafayette Comstat 19 (tube!) cb set that would be very easy to convert.
but it's almost an antique now, and I don't like heating up the shack.
Does anybody have some of those 10 meter conversion articles that ran in 73 back in the 80s?

Date: Tue, 7 Jul 1998 09:06:33 -0300
From: "Prof.Arnaldo Coro Antich" <inforhc@mail.infocom.etcusa.cu>
To: <qrp-1@Lehigh.EDU>
Subject: [14538] RE: PIXIE and LC link coupled
Message-ID: <01bda99f\$aef61920\$07199e03@luis>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Yes... it works quite well too... as someone put it in a very funny way...
PI networks and LC tuned circuits came before wideband networks...
and wideband networks may be convenient in a multiband rig, but I don't see the point in using that network on a rig that is single band, and even works only on a very narrow segment of said band.
PIXIE with an output LC network, high Q, matches OK to output transistor,

matches OK to antenna... and rejects out of band QRM, much better than a simple filter made from a 1 uhy choke and 2 capacitors !
Try PIXIE, ALVA, SMITE... whichever version you happen to have...
It's a thrill to operate, a challenge to your operating skills, and certainly costs very little + the fact that as yet another QRP rig, it will not generate TVI !

Arnie Coro C02KK

Date: Tue, 7 Jul 1998 14:13:30 +0100
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: w1fji@vistech.net
Cc: qrp-l@Lehigh.EDU
Subject: [14539] Re: QRP freqs
Message-ID: <199807071313.0AA20866@chuck.dallas.sgi.com>

Art et.al.,

Here is a list that may help:

Gang,

Recommended QRP calling frequencies +/- for QRM

Band	CW	SSB
----	-----	-----
160	1.810	1.910 1.843 (Europe)
80	3.560 3.579 (Colorburst Crystal Frequency) 3.710 (Novice)	3.985 3.690 (SSB EU)
40	7.040 7.035 (QRP-L) 7.030 (Europe) 7.060 (Europe) 7.110 (Novice) 7.112 (NorCal crystals)	7.285 7.090 (SSB EU)
30	10.106 10.116 (QRP-L)	

20	14.060	14.285
17	18.096	18.130
15	21.060	21.385
	21.110 (Novice)	21.285 (SSB EU)
12	24.906	24.950
10	28.060	28.885
	28.110 (Novice)	28.385 (Novice)
		28.360 (SSB EU)
6	50.060	50.885
		50.285 (SSB EU)
2	144.060	144.285
		144.585 (FM)

Chuck Adams K5FO Dallas,TX CP-60
<http://reality.sgi.com/adams> adams@sgi.com

 Date: Tue, 7 Jul 1998 09:03:49 -0600 (CST)
 From: Bruce Rattray <rattray@gpfn.sk.ca>
 To: Low Power Group <qrp-l@Lehigh.EDU>
 Subject: [14540] Canadian qrp survey
 Message-ID: <Pine.SOL.3.91.980707085832.19100B-1000000@gpfn1.gpfn.sk.ca>
 MIME-Version: 1.0
 Content-Type: TEXT/PLAIN; charset=US-ASCII

Just out of curiosity, I'm wondering how many Canadian amateur radio operators are members of the QRP-L group? Please respond to me directly. I'll wait for a period of 2/3 weeks and then post the list fyi. tnx & 72 - Bruce(VE5RC&VE5QRP) -

respond to:- rattray@gpfn.sk.ca

 Date: Tue, 07 Jul 1998 10:38:24 -0500
 From: Glen Reid <k5hgb@flash.net>
 To: QRP-l List <qrp-l@Lehigh.EDU>
 Subject: [14541] Austin QRP CLub July Meeting
 Message-ID: <35A240F0.EEF34E5B@flash.net>
 MIME-Version: 1.0
 Content-Type: text/plain; charset=iso-8859-1
 Content-Transfer-Encoding: 8bit

The Next Meeting of the AUSTIN QRP Club will be:

Date - Saturday, July 11, 1998

Time - 10:30 AM

Place - Luby's Cafeteria, 2233 West North Loop

Bring your latest projects and join in the fun.

If you need directions or further information check out our web page:

<http://www.flash.net/~k5hgb/aqrp.html>

or call me at 512.263.9767

Hope to see you all there.

73

gr

--

GLEN REID
K5FX/M BGF

Formerly K5HGB

Austin, Texas
...in the beautiful hill country of TEXAS...

Austin QRP Club # Pi

Email: k5hgb@flash.net

Date: Tue, 7 Jul 1998 11:12:04 -0500
From: Tellefsen Bob-CNSE97 <cnse97@lmpsil02.comm.mot.com>
To: n3at@epix.net
Cc: QRP-L list <QRP-L@Lehigh.EDU>
Subject: [14542] half square antenna
Message-ID: <E726B6D1F2C7D1119AB900805FA74B3C828F97@s-il02-n.comm.mot.com>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"

Hello, Lamar.

You will probably get quite a few responses, as the half square is a popular antenna.

It consists of two quarter wave vertical radiating wires, separated by a half wave horizontal wire called a phasing wire. Looks like an upside down square U.

At low heights, say a quarter wave to a bit more, it provides some gain at a lower takeoff angle than a dipole. It is bidirectional with a figure 8 pattern, like a dipole. It is usually fed in an upper corner with 50-ohm coax, but other feedlines have been used also.

By careful adjustment of the wirelengths, the feedpoint will show a nice 50-ohm match.

At 40m for a half square with the horizontal wire at 40 ft, the dimensions would be about 70 ft horizontal and 34 ft vertical. No matter what kind of feedline is used, it helps to put ferrite beads over the line to decouple it from the vertical leg of the antenna at that point.

Like all antennas in the real world, the above dimensions are a starting point. One always seems to have to fiddle with the wire lengths a bit to get the best match. Probably due to things like using different wire sizes, different quality of ground underneath, different surrounding environment-woods, houses, metal fences, etc. Great, inexpensive antenna, though.

Date: Tue, 7 Jul 1998 11:18:24 -0500

From: Tellefsen Bob-CNSE97 <cnse97@lmpsil02.comm.mot.com>

To: Whowell@hq.nasa.gov

Cc: QRP-L list <QRP-L@Lehigh.EDU>

Subject: [14543] NorCal paddles

Message-ID: <E726B6D1F2C7D1119AB900805FA74B3C828FA2@s-il02-n.comm.mot.com>

MIME-Version: 1.0

Content-Type: text/plain

Scott:

There is another way to get very nice paddle fingerpieces.

My son plays the electric base, so I noticed the picks he uses.

Shape is just right, and thickness is much less than the finger pieces supplied in the kit.

This allows the surfaces you actually touch to be a bit closer together.

I find it very
comfortable this way.

You can get these picks cheaply at almost any music store that sells
instruments, guitars, etc.
Lots of colors and patterns to choose from too.

73, Bob N6WG

Date: Tue, 7 Jul 1998 12:22:10 EDT
From: SABorns@aol.com
To: qrp-1@Lehigh.EDU
Subject: [14544] CQrp Meeting
Message-ID: <876d20e1.35a24b33@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

The July meeting of CQrp will be Saturday July 11th

Location: Universal Radio, Reynoldsburg, OH
Time: 10:30

Contact: Steve Bornstein, K8IDN 614 263-5819

Date: Tue, 07 Jul 1998 08:06:27 -0700
From: "Earl S. Mead" <k6esmead@pacbell.net>
To: jparker@fix.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [14545] Re: We Have a WINNER/NorCal 'Toon Contest
Message-ID: <35A23973.99881E2B@pacbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Jerry Parker wrote:

>
> The 'Toons were in and the lineup was held Sunday at the NorCal Meeting.
>
> After careful consideration the vote was in and the winners picked.
>

> The 1st Place entry, pictured above, was submitted by Mike Parkes, AB7RU.
>
> Congrats Mike! GREAT JOB!
>
> Mike Gipe K1MG, Bertie N7XJW, and Earl Mead KE6ESM were runners up.
> -----SNIP-----
> I would like to thank all the entrants for the GREAT effort.
>
> The Winning and runners up entries are posted on the NorCal Page:
>
> <http://www.fix.net/norcal.html>
>
> Enjoy and 72,
> Jerry, WA6OWR

Hi All:

It was great fun and the "toon" selected as 1st place was an excellent choice! My congratulations to all involved.

--

73s, CUL, Earl, K6ESM

North Hills Radio Club, the BEST amateur radio club in the world!!!
<http://www.k6is.org>

The value of advice is in its use, not in its giving.

Date: Tue, 07 Jul 1998 12:29:37 -0400
From: "Ed Hare, W1RFI" <ehare@arrl.org>
To: qrp-l@Lehigh.EDU
Subject: [14546] Re: Dipole as a reference antenna
Message-ID: <35A24CF1.59C5@arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

L. B. Cebik wrote:

> Before anyone purchases materials for this antenna (and it is a good study
> antenna), please note that the scaling of the antenna elements from their
> UHF version produces a challenge for antenna constructors. The .NEC file
> line above tells us why.

> The last entry is the wire radius in meters. The wire diameter is 0.294
> meters, or about 11.5". So if you are planting trees spaced to support
> these elements, be sure that they are the mightiest of oaks--redwoods
> might be much better--and be patient for them to grow into the task of
> supporting elements nearly 1' in diameter.

Thanks for pointing that out. This was intended to be a lighthearted
joke, in response to Chuck wanting his 20 dBi gain antenna on 40
meters. I didn't intend it be practical.

> If you simply reduce the wire size to something more manageable, expect to
> spend long hours re-optimizing the beam--and expect narrower operating
> bandwidth out of it.

Actually, I have a copy of Yagi Optimizer here; if I find the time, I
will enter the dimensions into Y0 and get a more realistic model. :-)

> Wonder what dimensions an optimized version of this beam might have for
> #12 copper wire. Unless one wishes to make wire cages for each of the
> elements.

I took the dimensions "as is," but with #12 wire instead. The
60-foot-height version of the antenna showed 14.95 as opposed to 18.39
dBi for the 1' diameter wires. I didn't look at bandwidth.

73,
Ed

Date: Tue, 7 Jul 1998 09:29:53 -0700
From: dave_epps@juno.com
To: qrp-l@Lehigh.EDU
Subject: [14547] Hint & Kink
Message-ID: <19980707.093238.3510.1.dave_epps@juno.com>

Years ago there was an article in one of the Hints & Kinks books about
using an electric razor as a drill. The motor shaft was threaded and
would

fit a small drill chuck .

I think it was a sunbeam electric razor with 5's in the model number.
"not sure".

Anyone remember this?

dave ab5pc morro bay, ca.

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Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 07 Jul 1998 16:37:28 +0000
From: Ed Loranger <we6w@qsl.net>
To: walexander@wnn.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [14548] Re: 10m
Message-ID: <35A24EC8.688E@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Wayne Alexander wrote:

>
> There sure alot of SSB going on but no CW. Where is everyone? I wanted
> to work a FOX. OH well.
> 73
> KB0PTE
> Wayne
> QRP-L #1058
> FISTS # 4907

Don't know... I called all day Sunday. Even had the table of
exchange information in front of me in case anyone found me!

Still zero on 10.

-Ed

--

72, =ED, WE6W/qrp CW ONLY; Proud Member: QRP-L/ARCI/Norcal/ARS/AR
<http://www.qsl.net/we6w> (Enjoying Ham Radio every day.)

Date: Tue, 7 Jul 1998 11:39:46 -0500
From: Tellefsen Bob-CNSE97 <cnse97@lmpsil02.comm.mot.com>
To: kd7s@psnw.com
Cc: QRP-L list <QRP-L@Lehigh.EDU>
Subject: [14549] antenna
Message-ID: <E726B6D1F2C7D1119AB900805FA74B3C828FC5@s-il02-n.comm.mot.com>
MIME-Version: 1.0
Content-Type: text/plain;

charset="ISO-8859-1"

Hi, Bill. Your question about a vertical halfwave reminded me I had modeled that as a possible FD antenna.

It is an excellent omnidirectional antenna, but the takeoff angle is in the area of 15 to 20 degrees, depending on ground.

Feeding a vertical half wave, the ground reference can be a single piece of wire, maybe 1/8 to 1/10 wave long, connected at the center.

A ground plane won't buy you much with the vertical half wave, as there is almost no current flow in it due to the high impedance feed point.

Of course, you could also center feed it like a regular dipole. The feedpoint would be around 80 ohms, as I recall.

If you have the height to support a 40m halfwave vertical, you might almost be better off using that height for an inv vee, or horizontal dipole if you have two supports. This presupposes you are talking daytime and early evening use, rather than late night Dxing.

Another thought would be an inverted L, which behaves almost like the vertical dipole.

73, Bob N6WG

Date: Tue, 07 Jul 1998 16:42:07 +0000
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [14550] QRP to Osaka/Yokahama today.
Message-ID: <35A24FDF.31AB@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Heartburn at 2:30 AM PDT in California. While waiting for the little Baking soda to finish I decided to work the rig at 5Watts on 40 meters.

Found Osaka and a Yokahama station. Wahoo. One even sent QRZ? Before I had the rig tweaked for that end of the band and only running 2.5 watts.

Got em both, Osaka with a little trouble and many repeats for my very long name -- Ed. Just doesn't play well in the QRN :) :)

Yo and Tad were glad to pick up my QRP signal.

Morale: If you want to work QRP to the Orient, you might
try the Teriyaka chicken ;} I did and it worked.

Got me awake at the right time....

Smiles all around and best operating to all.
-Ed.

--

72, =ED, WE6W/qrp CW ONLY; Proud Member: QRP-L/ARCI/Norcal/ARS/AR
<http://www.qsl.net/we6w> (Enjoying Ham Radio every day.)

Date: Tue, 07 Jul 1998 09:43:18 -0700
From: Pierre Constantineau <pierre@cmpe.ubc.ca>
To: vferme@sprint.ca
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [14551] Re: NE602/SA602.
Message-ID: <35A25026.2CBFA827@cmpe.ubc.ca>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Where is this application note, I tried looking at the site
but I only found the Datasheet dated Nov 7, 1997.

I'd like to have a look at this app. note.

Thanks

Vincent Ferme wrote:

>
> Hi,
>
> I was checking the Phillips Semiconductor web page today and they have app
> notes for the SA602 dated Dec. '97. Sometime time ago there was mention the
> 602 was history, was the info referring to the NE602 only?
>
> 73 de Vince, VE3VFN.

--

/'^'\
(o o)

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-----o000--(_)--000o-----
Pierre Constantineau  B.Eng      Email: pierre@cmpe.ubc.ca
M. Applied Sciences Candidate    Phone: (604) 822-2913
Flash Smelting Group            Fax:   (604) 822-4750
Centre For Metallurgical        111-2355 East Mall
Process Engineering             Vancouver, BC, Canada
U. of British Columbia .ooo0    V6T 1Z4
http://noname.cmpe.ubc.ca (    ) 0ooo.  Amateur Radio: VE7JPC
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Date: Tue, 07 Jul 1998 12:56:16 -0400
From: bill lazure <blazure@wstm.com>
To: QRP-L@Lehigh.EDU
Subject: [14552] Antenna Question & QRP+ Observation
Message-ID: <35A25330.6C34@wstm.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

```

Folks,

I found reference to a 1/2 wave loop in the new ARRL Antenna book. They briefly describe the characteristics of them, both shorted and open at the side opposite the feed. Has anyone done a detailed study of this antenna? The book implied that this type of antenna can show gain over a dipole, has directivity, and seems physically smaller than a dipole. Maybe someone out there with good antenna modeling software can give it a shot.

Next, for the past few weeks I'd noticed a whine in the background audio of my QRP Plus. It had been getting steadily worse until last night when in addition to the whine, I found a wideband noise centered around 21.131 MHz whose pitch followed the movement of the tuning knob. I figured it was digital noise getting into the front end, but shielding, moving cables, and even adding capacitance to the digital regulator didn't help at all. Finally, in frustration, I decided to CRANK on the four screws that hold the boards to the chassis. Lo and behold, one screw, while not loose, was also not totally tight. When it was FULLY tightened, noise went away. Ain't RF great?!?

Bill Lazure - N2TPA

Date: Tue, 7 Jul 1998 11:53:29 -0500
From: applitech@mcg.net (Claton Cadmus)
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [14553] Feeding the half square antenna
Message-ID: <002901bda9c8\$f2d46100\$a10a5e2c@groucho>

I've been following the discussion on the half square antenna and was wondering about how the feedline is routed to feed an upper corner?

Has anyone tried using the coax shield as the first vertical quarter wave portion and placing a choke winding in the coax much like one does for a vertical coaxial dipole?

73 de KA0GKC Claton Cadmus
cla@mcg.net
MNQRP #1
Minnesota QRP'ers we're looking for you!
Email me or visit this page <http://www.qsl.net/mnqrp>

Date: Tue, 7 Jul 1998 12:04:32 -0500 (CDT)
From: gstauffe@ix.netcom.com (Gilbert Stauffer)
To: qrp-1@Lehigh.EDU
Subject: [14554] Buckeye Electronics
Message-ID: <199807071704.MAA11642@dfw-ix7.ix.netcom.com>

Over the past few days a message was posted concerning status of Buckeye Electronics. Here is my recent experience with Buckeye Electronics.

I placed my order for various parts in late May and received the order on July 2...nearly 6 weeks! However, every part was received that I ordered, and was nicely/neatly packaged.

My E-mail messages concerning status of my order went unanswered. No explanation accompanied the order concerning reason for the delay.

Date: Tue, 7 Jul 1998 13:30:46 EDT
From: DENNISMO@aol.com
To: qrp-1@Lehigh.EDU

Subject: [14555] Outbacker Antenna
Message-ID: <5d5decd2.35a25b47@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hi All -

Is there anyone on this list using or have used the Alpha Delta Outbacker vertical antenna? They aren't cheap - not even inexpensive (:8^>) but one of several different models with the "Outpost" tripod could be a very nice QRP Mini-DXpedition antenna as well as a mobile QRP/QRO mobile antenna.

Any opinions or comments out there?

72 de Denny AD6EZ <><
PROMISE KEEPER

FISTS #4570 / QRP-L #1359 / ARCI #9637 / sCQs #44 / 10-X #69158 / Six Club #242

HAMing It Up Everyday In Goleta, CA

Grid: DM04BK / WEB PAGE: <http://members.aol.com/dennismo>

Date: Tue, 7 Jul 1998 13:42:22 -0400
From: "Vincent Ferme" <vferme@sprint.ca>
To: "Pierre Constantineau" <pierre@cmpe.ubc.ca>
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [14556] Re: NE602/SA602.
Message-ID: <002b01bda9ce\$99d45af0\$cc1005d1@frsswilap04284.callnetcanada.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Looks like I mixed up the two. Checked again and all I found was the datasheet, sorry guys.

Vince, VE3VFN.

-----Original Message-----

From: Pierre Constantineau <pierre@cmpe.ubc.ca>

>Where is this application note, I tried looking at the site

>but I only found the Datasheet dated Nov 7, 1997.

Date: Tue, 7 Jul 98 13:43:27 -0400
From: cjl@mail09.mitre.org (Charles J. Ludinsky)
To: kd7s@psnw.com (kd7s@psnw.com)
Cc: qrp-1@Lehigh.EDU (qrp-1@lehigh.edu)
Subject: [14557] RE: Halfwave, end-fed antenna questions
Message-ID: <980707134326.14626@mail09.mitre.org.0>

Bill Jones wrote [14471]:

> I have been following the end-fed, halfwave antenna thread with much
> interest as it appears to be an excellent choice for some of my portable
> activities. But, I have a few questions. Assuming the antenna itself is 100%
> vertical and the feed point is within 3-4 feet of the ground, what does the
> radiation pattern look like? I'm going to stick my neck out and say that I
> suspect there would be very little high angle component (assuming normal
> ground conditions). If that's the case, then would it be reasonable to
> expect enhanced low angle performance?

I used EZNEC to model a 40M half-wave, vertical dipole as follows:

- Lower end three feet above the ground;
- A REAL ground model, with HIGH ACCURACY, MEDIUM ground type;
- A single, quarter-wave counterpoise (at three feet above the ground).

The resulting pattern is almost omnidirectional in azimuth with a maximum gain of 0.12dBi. The elevation pattern has a maximum (0.12dBi, of course) at 18 degrees and a null (actually, -28dB) at 90 degrees. At 10 degrees, the gain is -0.8dBi.

For comparison, a horizontal dipole at 40ft (same ground) has a maximum gain of about 6dBi at 51 degrees, 2dBi at 18 degrees, and -3dBi at 10 degrees.

> A second question deals with the conventional 1/4 wave counterpoise. Is
> there any (textbook) advantage to adding more, or longer counterpoise
> wires spread out radially from the base of the antenna? One posting
> suggested just the opposite, that a single, shorter wire would work just
> as well as a quarter wave.

Increasing the number of counterpoise wires to 4 and 8 had little effect on the

pattern or gain:

4 CP: 0.08dBi@18degrees
8 CP: 0.16dBi@18degrees

Regards and 72 DE K1CL
Chuck.

Date: Tue, 07 Jul 1998 12:35:22
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@Lehigh.EDU
Subject: [14558] CB to 10M- Looks good
Message-ID: <3.0.3.16.19980707123522.307751fe@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Howdy Gang,

Pleanty of interest in this little idea. Many thanks to all that responded with an enthusiastic "YES" I have a feeling there will be more once we have a product in hand. (Secret code name: The 11-2-10 project)

So, guess it's time to get busy, and get this going before the end of the current sun spot cycle, hi.

The basic idea is to locate a source of real cheap CB's, hopefully the larger mobile rigs, as opposed to the newer smaller ones, so we can have some kind of standard modification procedure. The conversion board can be used with many CB's built in the last few years, bascily most any that use a 10.7 Mhz 1st IF should have the same frequency scheme. We'll try to supply as much generic info as possible for converting other rigs, but it will be imposible to provide specific info for all possible models. Thankfully, 80 or 90% of all CB's are made by Uniden, so have pretty common layouts and designs, the variations mostly cosmetic or in options.

The design goals of the conversion board is to have a general purpuse PLL (MC14170) controled by a small microprossesor chip. The channel selector switch in the CB will be removed and replaced by a mechanical rotary encoder.

The PLL will tune in 5 Khz steps and cover 500 Khz of the band. I'm thinking of having pin selectable option of covering 28.0 to 28.5, 28.5 to 29.0 or 29.0 to 29.5 band segments. There is some merit in making it just cover 29 to 29.5 to keep the board from falling into the "wrong hands" I'd hate to leave out the N/T+'s but I have a feeling AM would not be too

welcome in that part of the band :-(It is where all the SSB sations hang out after all.

As a frequency readout would be handy, I'll have a bcd to 7 seg decoder driver to run one of the LED displays in the rig. The frequency will read out one digit at a time, for 100 Khz, 10 Khz and 1 Khz. Why not use both digits? Normally, each digit is wired to the channel selector switch and using both would be a pain to wire up. Could have it read out in Morse, and save a chip.

Several people have suggested also doing an FM mod. The more I think about it, the better is sounds. Adding FM capabilitly would only take an extra chip, an FM IF and detector. Woudn't cost much in terms of money or board real estate. The advatage here is there is already a fair number of 10 M rigs that do FM and one could potentially use FM repeters. So, will keep this in mind. The more adventuerous might what to add a product detector and DSB modulator.

All in all we're shoting for a conversion board price of under \$30.00 plus the cost of the CB.

This is pretty exciting. It will be great to have a sizable gang hanging out on 10 playing with AM or FM qrp!

I'll let you all know when I have a proto type up and running, maybe in week or two.

72,
Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Tue, 7 Jul 1998 12:51:48 -0500 (CDT)
From: ac5ez@webtv.net (Larry B)
To: qrp-l@Lehigh.EDU
Subject: [14559] Dayton
Message-ID: <25959-35A26034-587@mailtod-121.bryant.webtv.net>
Content-Type: Text/Plain; Charset=US-ASCII
Content-Transfer-Encoding: 7Bit
MIME-Version: 1.0 (WebTV)

Wasent there some one involved in room reservations for Dayton next year? Who was that?

Larry Ac5ez

Qcwa

Date: Tue, 7 Jul 1998 10:48:55 -0700
From: k6hcj@juno.com (Marv Fagenson)
To: qrp-1@Lehigh.EDU
Subject: [14560] HP 1740A
Message-ID: <19980707.104859.3734.0.k6hcj@juno.com>

I am looking for an instruction/service manual for an HP 1740A
oscilloscope. Does anyone have a spare?
Tnx/72
Marv Fagenson
k6hcj@Juno.com

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 7 Jul 1998 14:12:25 -0400
From: "Dan Romanchik" <danr@izzy.net>
To: <qrp-1@Lehigh.EDU>
Subject: [14561] CB - 10m Conversions
Message-ID: <01bda9d2\$cb4ba300\$05999ecf@danr.izzy.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I'm interested!

Dan KB6NU

=====
Dan Romanchik
Freelance Writer and Web Site Designer
phone and fax: 734-930-6564
email: d.romanchik@ieee.org, web: <http://www.izzy.net/~danr>
=====

Date: Tue, 07 Jul 1998 13:21:44 -0500
From: Chuck Carpenter <w5usj@webwide.net>
To: qrp-1@Lehigh.EDU
Subject: [14562] 8P9JJ on 10
Message-ID: <3.0.1.32.19980707132144.006b6914@mail.webwide.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

QRP-Lers,

Just worked 8P9JJ on 10 at about 28.040. Denny was the OP and they are setting up for the IARU test. Good strong signals both ways.

72/73 -- Chuck, W5USJ, EM22cv

Date: Tue, 07 Jul 1998 11:22:49 -0700
From: W7LS <w7ls@blarg.net>
To: adams@chuck.dallas.sgi.com
Cc: qrp-1@Lehigh.EDU
Subject: [14563] Re: QRP freqs
Message-ID: <35A26779.18E5@blarg.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi, Chuck. Let's not forget 3.686 for novice cw. That is an easily available crystal, these days. I find good activity there.

73 de Jim, W7LS

Chuck Adams wrote:

>
> Art et.al.,
>
> Here is a list that may help:
>
> Gang,
>
> Recommended QRP calling frequencies +/- for QRM
>
> Band CW SSB
> ----

>	160	1.810	1.910
>			1.843 (Europe)
>	80	3.560	3.985
>		3.579 (Colorburst Crystal Frequency)	
>		3.710 (Novice)	3.690 (SSB EU)
>	40	7.040	7.285
>		7.035 (QRP-L)	
>		7.030 (Europe)	7.090 (SSB EU)
>		7.060 (Europe)	
>		7.110 (Novice)	
>		7.112 (NorCal crystals)	
>	30	10.106	
>		10.116 (QRP-L)	
>	20	14.060	14.285
>	17	18.096	18.130
>	15	21.060	21.385
>		21.110 (Novice)	21.285 (SSB EU)
>	12	24.906	24.950
>	10	28.060	28.885
>		28.110 (Novice)	28.385 (Novice)
>			28.360 (SSB EU)
>	6	50.060	50.885
>			50.285 (SSB EU)
>	2	144.060	144.285
>			144.585 (FM)
>			
>	Chuck Adams	K5FO Dallas,TX	CP-60
>	http://reality.sgi.com/adams adams@sgi.com		

Date: Tue, 07 Jul 1998 13:32:31 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: blazure@wstm.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [14564] Re: Antenna Question & QRP+ Observation
Message-ID: <35A269BF.D1144DF0@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ham Radio magazine back in the 70's had an article by George Badger on these loops.

--
72/73, George
Amateur Radio W5YR, 52 years and counting!

QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403
AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

bill lazure wrote:

>
> Folks,
> I found reference to a 1/2 wave loop in the new ARRL Antenna book.
> They briefly describe the characteristics of them, both shorted and open
> at the side opposite the feed. Has anyone done a detailed study of this
> antenna? The book implied that this type of antenna can show gain over
> a dipole, has directivity, and seems physically smaller than a dipole.
> Maybe someone out there with good antenna modeling software can give it
> a shot.
> Next, for the past few weeks I'd noticed a whine in the background
> audio of my QRP Plus. It had been getting steadily worse until last
> night when in addition to the whine, I found a wideband noise centered
> around 21.131 MHz whose pitch followed the movement of the tuning knob.
> I figured it was digital noise getting into the front end, but
> shielding, moving cables, and even adding capacitance to the digital
> regulator didn't help at all. Finally, in frustration, I decided to
> CRANK on the four screws that hold the boards to the chassis. Lo and
> behold, one screw, while not loose, was also not totally tight. When it
> was FULLY tightened, noise went away. Ain't RF great?!?
>
> Bill Lazure - N2TPA

--

72/73, George
Amateur Radio W5YR, 52 years and counting!
QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403
AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

Date: Tue, 07 Jul 1998 13:35:52 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: applitech@mcg.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [14565] Re: Feeding the half square antenna
Message-ID: <35A26A88.4231B70C@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Careful, Cla, yuou're about to invent the Carolina Windom(?)! ;^)

--

72/73, George

Amateur Radio W5YR, 52 years and counting!

QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403

AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

Claton Cadmus wrote:

>

> I've been following the discussion on the half square antenna and was

> wondering about how the feedline is routed to feed an upper corner?

>

> Has anyone tried using the coax shield as the first vertical quarter wave

> portion and placing a choke winding in the coax much like one does for a

> vertical coaxial dipole?

> ----

> 73 de KA0GKC Claton Cadmus

> cla@mcg.net

> MNQRP #1

> Minnesota QRP'ers we're looking for you!

> Email me or visit this page <http://www.qsl.net/mnqrp>

--

72/73, George

Amateur Radio W5YR, 52 years and counting!

QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403

AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

Date: Tue, 07 Jul 1998 18:41:28 +0000

From: Ed Loranger <we6w@qsl.net>

To: pierre@cmpe.ubc.ca, vferme@sprint.ca

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [14566] Re: NE602/SA602.

Message-ID: <35A26BD8.5660@qsl.net>

Mime-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Hey folks, I just backed into this discussion. I found an application note in PDF format. No, it isn't the Datasheet :)

datasheet database search result for: SA602 Application

DOC#	PDF	kB	PGS	DATE	PART#	DESCRIPTION
------	-----	----	-----	------	-------	-------------

8063 PDF 46 05 10/23/97 AN1982
of the SA602 in low-power mixer applications

Applying the oscillator

Here is the URL:

<http://www-us.semiconductors.philips.com/acrobat/8063.pdf>

Your are gonna like this one!

-Ed

--

72, =ED, WE6W/qrp CW ONLY; Proud Member: QRP-L/ARCI/Norcal/ARS/AR
<http://www.qsl.net/we6w> (Enjoying Ham Radio every day.)

Date: Tue, 07 Jul 1998 13:48:18 -0500
From: Mike - W0TMW <crucis@sky.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [14567] PHD Hamfest, Kansas City, MO 7-11/98
Message-ID: <35A26D72.506C046A@sky.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

A reminder to all you QRP'ers here in the Midwest.

The PHD Hamfest will be held this coming Saturday, July 11, 9:00AM - 4:00PM CDT. The Mid-America QRP Association will have an informational table setup, a QRP station, and two forum sessions, Noon and 1:00PM. We may have a surprise speaker.

Come out and support QRP in the Midwest!

More info at the PHD Webpage:

<http://members.tripod.com/~PHDARA/hamfst98.htm>

--

=====
Mike Watson, W0TMW QCWA Mbr# 28651, MidContinent Chapter #35
Raymore, Missouri, USA Grid: EM28st, ARS# 352, QRP-L# 1849
<http://www.sky.net/~crucis> E-mail: crucis@sky.net ARCI# 9647
=====

Date: Tue, 07 Jul 1998 11:47:48 -0700

From: W7LS <w7ls@blarg.net>
To: DENNISMO@aol.com
Cc: qrp-l@Lehigh.EDU
Subject: [14568] Re: Outbacker Antenna
Message-ID: <35A26D54.5E61@blarg.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi, Dennis. They are an outstanding antenna in one particular area. That is brilliant marketing. Antenna range tests don't show them to be anything above normal. Get a screwdriver antenna, if you want a multiband whip that is second only to the Texas Bugcatcher on 75 meters and second to none on all other bands. Way cheaper, too. Ever see a Bugcatcher? Your wife will not allow it on the family car. Guranteed ;-)

NOTE: Now accepting flak from Outbacker users. Click on 'REPLY' and enter flame. :-0

DENNISMO@aol.com wrote:

>
> Hi All -
>
> Is there anyone on this list using or have used the Alpha Delta Outbacker
> vertical antenna? They aren't cheap - not even inexpensive (:8^>) but one of
> several different models with the "Outpost" tripod could be a very nice QRP
> Mini-DXpedition antenna as well as a mobile QRP/QRO mobile antenna.
>
> Any opinions or comments out there?
>
> 72 de Denny AD6EZ <><
> PROMISE KEEPER
>
> FISTS #4570 / QRP-L #1359 / ARCI #9637 / sCQs #44 / 10-X #69158 / Six Club
> #242
> HAMing It Up Everyday In Goleta, CA
> Grid: DM04BK / WEB PAGE: <http://members.aol.com/dennismo>

Date: Tue, 7 Jul 1998 14:52:27 -0500
From: "Richard E. Robinson" <rerobins@email.uncc.edu>
To: qrp-l@Lehigh.EDU
Subject: [14569] Science Workshop?
Message-ID: <v03102805b1c82c116f4a@[152.15.144.42]>
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Does anyone have any experience with the Science Workshop Spectrum Analyzer kit?

It sure sounds like a nice piece of gear to have on the bench and the price seems to be right.

<http://www.science-workshop.com>

Thanks in advance and 72/73,

Rick kf4ar BumbleBee #43 in 3 weeks

Date: Tue, 07 Jul 1998 14:52:17 -0400
From: Joseph Trombino jr <joebarb@wilmington.net>
To: QRP-L@Lehigh.EDU
Subject: [14570] Super CMOS III Keyer-What a Kit
Message-ID: <3.0.1.32.19980707145217.006d090c@wilmington.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hello fellow QRP'ers:

Just finished building a Super CMOS III keyer board kit from Idiom Press. After some metal crunching/drilling etc, the keyer came alive right on power-up--it sends in Morse "OK" if all is well (neat:).

This kit has more features and capabilities than I think I can ever use, a bunch of memories and neat software features that allow the user to tailor the iambic keyer characteristics to match several popular keying schemes on the market.

Being iambically challenged, I can only send properly using the Curtis B iambic mode and the default mode on this keyer is an exact match. It also does Curtis mode A, Accu-Leyer and others, and a variety of dot/dash memories. I'm still learning how to use it and for \$55 it is a great value for the money IMHO.

Standard disclaimers, etc--just a happy customer--probably gonna buy another one for the other operating position!!!)

Cheers and 72/73 Joe W2KJ (North Carolina)

Date: Tue, 7 Jul 1998 14:57:30 -0400
From: "Vincent Ferme" <vferme@sprint.ca>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [14571] Re: NE602/SA602.
Message-ID: <008d01bda9d9\$1863e840\$cc1005d1@frsswilap04284.callnetcanada.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thank you very much, Ed. I am sane after all. :))

I thought it was there, but since I was unable to find it a second time,
assumed it was a mistake.

73 de Vince, VE3VFN.

-----Original Message-----
From: Ed Loranger <we6w@qsl.net>

>Hey folks, I just backed into this discussion. I found an
>application note in PDF format. No, it isn't the
>Datasheet :)

Date: Tue, 07 Jul 1998 15:04:35 +0000
From: Rick Weber <weber@accenttech.com>
To: To:
Subject: [14572] [14435] G5RV, the amateur, not the antenna
Message-ID: <35A238DC.7686@accenttech.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

John Evans - N0HJ wrote:

> Greetings,
>
> Was tuning around with my new Sierra on 40M and heard a novice in
> Texas
> chatting with a ham in England, G5RV. Thought this would be a neat
> QSO to have. Does RL get on the air still?? Just curious to see
> this was a real QSO or just someone playing around.
>
> 72 - john - n0hj

John,

I heard the same call! Not sure exactly when, but in past few days. At the end of the QSO, I tried (in vain, of course) to grab G5VR's attention with my 3-watt peashooter. Thanks for confirming that I wasn't hallucinating.

Rick Weber
W9QZ

Date: Tue, 07 Jul 1998 16:20:56 -0400
From: Scott Howell <whowell@hq.nasa.gov>
To: qrp-l@Lehigh.EDU
Subject: [14573] shielded cable
Message-ID: <3.0.5.32.19980707162056.00805bb0@mail.hq.nasa.gov>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I am looking for a source of three conductor shielded cable like you would use for paddles, keys, etc.

If anyone has a good source and would let me know I'd appreciate it. Also if this source has good deals on connectors that would be nice.

tia

72 n3byy

Date: Tue, 7 Jul 1998 13:47:25 -0700
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
To: <whowell@hq.nasa.gov>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [14574] Re: shielded cable
Message-ID: <156301bda9e8\$728fdea0\$140a0a0a@double_trouble.reliablemeters.com>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Scott --

The best source I found for paddles, keys, etc is Radio Shack. I buy the high quality (gold plated line) audio patch cables with mini phone plugs on both ends. I cut the cable in the middle and have two flexible paddle cables with the connector already attached!

Can't remember the RS part number off hand, but I will try to remember look it up when I get home. They have a stereo version which is perfect for paddles, and a mono version which is great for straight keys.

Mike K1MG

-----Original Message-----

From: Scott Howell <whowell@hq.nasa.gov>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Tuesday, July 07, 1998 1:23 PM
Subject: shielded cable

> I am looking for a source of three conductor shielded cable like you would
> use for paddles, keys, etc.
> If anyone has a good source and would let me know I'd appreciate it.
Also
> if this source has good deals on connectors that would be nice.
> tia
>
> 72 n3byy

Date: Tue, 7 Jul 1998 16:49:58 -0400
From: "Harry T. Hurst" <hhurst@delaware.infi.net>
To: <qrp-1@Lehigh.EDU>
Subject: [14575] RE: CB-10M conversion, how much interest?
Message-ID: <199807072052.QAA14499@fh101.infi.net>
MIME-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Sorry David, I was on the backup machine, the modem on my main machine is on the fritz. I use a time sync program on the main machine.

Date: Tue, 7 Jul 1998 13:59:16 -0700
From: "Kurt McCullum" <kdmccullum@bigfoot.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [14576] Re: NE602/SA602.
Message-ID: <01bda9ea\$1a929f60\$0501a8c0@canon.flash.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I've got copies of the PDF data sheets for both the SA602 and the SA612 if anybody needs them. Send me e-mail directly if you can't find them and I'll send them to you.

Kurt McCullum
KD6GWU

-----Original Message-----
From: Vincent Ferme <vferme@sprint.ca>
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Date: Tuesday, July 07, 1998 12:01 PM
Subject: Re: NE602/SA602.

>Thank you very much, Ed. I am sane after all. :))
>
>I thought it was there, but since I was unable to find it a second time,
>assumed it was a mistake.
>
>73 de Vince, VE3VFN.
>
>-----Original Message-----
>From: Ed Loranger <we6w@qsl.net>
>
>
>>Hey folks, I just backed into this discussion. I found an
>>application note in PDF format. No, it isn't the
>>Datasheet :)

>
>
>
>
>

Date: Tue, 7 Jul 1998 17:21:51 -0400 (EDT)
From: Chris Cartwright <ccart@dns.vidtel.com>
To: QRP Reflector <qrp-l@Lehigh.EDU>
Subject: [14577] Re: shielded cable
Message-ID: <Pine.LNX.3.93.980707171716.1084A-100000@dns.vidtel.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 7 Jul 1998, Scott Howell wrote:

> I am looking for a source of three conductor shielded cable like you would
> use for paddles, keys, etc.

Check for some cheap (or dead, disused, under appreciated) walkman
headphones. Chop off the business end and use whats left. Most of 'em
have a nice molded plug on the end too. I've got four kids, ages 17 thru
3, so I have a steady supply :)

-- Chris Cartwright, Technical Engineer | ccart@vidtel.com --
-- N3XRV ARRL-VE QRP WAS 28/13(w/c) | <http://dns.vidtel.com/~ccart> --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

Date: Tue, 07 Jul 1998 16:22:25 -0500
From: John Burnley <JBurnley@ifmc.org>
To: qrp-l@Lehigh.EDU
Subject: [14578] Need Hako soldering station info
Message-ID: <s5a24b53.019@ifmc.org>
Mime-Version: 1.0
Content-Type: text/plain
Content-Disposition: inline

The local distributor has a 'special purchase' of Hako model P939
soldering stations for \$92.00. Anyone have experience with this
manufacturer and do you know if it's a good deal?

72/73, John NU0V

Date: Tue, 07 Jul 1998 16:41:07 -0500
From: John Burnley <JBurnley@ifmc.org>
To: qrp-l@Lehigh.EDU
Subject: [14579] CB to 6 meter conversion
Message-ID: <s5a24fc8.025@ifmc.org>
Mime-Version: 1.0
Content-Type: text/plain
Content-Disposition: inline

With all the posts about converting CB's to 'usable' radios, I ran across an interesting web page. The URL is:

<http://www.6mt.com/6tech.htm>

On this page is a file which covers converting CB's to six meter coverage. I haven't read through the file yet, but thought some on the list would be interested.

72/73, John NU0V

Date: Tue, 07 Jul 1998 17:40:11 -0400
From: Ed Tanton <n4xy@att.net>
To: "Dennis Marandos - K1LGQ" <k1lgq@dennis.mv.com>
Cc: QRP-L Reflector <qrp-l@Lehigh.EDU>
Subject: [14580] Re: SGC2020
Message-ID: <3.0.5.32.19980707174011.00be8a50@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Dennis... I am sorry to hear SGC was so inattentive to your first two service requests. I am afraid this is one of those cases where these people are in it strictly for the money-and the amateur radio market ain't it! I think we are indeed going to have to solve our own problems with what is otherwise an excellent rig-and that is truly a shame.

I can live with both the minimal chirp I have, and the overload, since neither one is really bad enough to not use the rig-nor even bad enough to

not enjoy the rig. But both are apparently at least commonplace, and perhaps even universal, with varying degrees of effects, and I hope we-or possibly 'they'-will come up with solutions.

It is really too bad that as remarkable a rig as the '2020 is (for \$625) it is being "handled" by a bunch of amateurs-and I don't mean the hammy type. They didn't have a clue about pre-production press; they have very badly mishandled the original design-to-production process (making gross changes within 30 days of the original production date tells me SOMEBODY did not do his job very well up front in examining the original design parameters); the initial distribution patterns are absolutely mystifying (I'm thinking of starting a rumor that they simply use a Ouiji Board in the shipping room); and now apparently the service is somewhere in never-never land between non-existent and incapable of reading and understanding the simplest instructions. Why does that not surprise me.

I have tried very hard to hang in there, defending more the product than the company, but that has simply become impossible, as mistake is piled upon mistake. I personally believe that the friction produced between most hams who have been in contact with them boil down to their unit representation. They (you) represent the purchase of ONE unit. I wonder if, oh let's say, Saudi Arabia was considering the purchase of, oh let's say, 1000 '2020s, and when their initial samples came in, and either had these overload problems, or if for some reason the Saudi purchasing agent was bothered by the CW chirp (I know: yeah right! CW in the oil fields) but suppose he was... why do I think HE would have been called back-while YOU weren't.

I won't be selling my '2020... as I said, it is a really nice rig-even with its varying degree of problems within its two very specifically identified shortcomings, with mine not too bad. But I certainly hope there will be no need to have it serviced. I was thinking about buying the Extended Warranty-I really hate working on microprocessor-based rigs... but I think that it would not be much of an investment if they cannot even read and remember the word "chirp" repeated as many times as it was in your letter to them.

I even think it's time I posted this to QRP-L. Enough is enough.

73

Ed Tanton N4XY EMAIL: n4xy@att.net
189 Pioneer Trail
Marietta, GA 30068-3466 TEL: (770)579-3933 V/MBX/FAX

INTERESTS:	QRP	BoatAnchors	Test Equipment	Photography
CW: 99.9%		Mercury Paddle # 0214		QRP to 150W: 95%

~~~~~  
"Think you can, think you can't: either way you're right!"      Henry Ford  
~~~~~

Date: Tue, 7 Jul 1998 17:58:45 -0400 (EDT)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: "Charles J. Ludinsky" <cjl@mail09.mitre.org>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [14581] RE: Halfwave, end-fed antenna questions
Message-ID: <Pine.GS0.3.96.980707174345.12802B-100000@moe.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

> I used EZNEC to model a 40M half-wave, vertical dipole as follows:
> - Lower end three feet above the ground;
> - A REAL ground model, with HIGH ACCURACY, MEDIUM ground type;
For the vertical antenna, please always model over several types of
ground. While ground quality does not make a horizontal antenna
performance vary much at all, it can have an effect on vertical antenna
performance.

The ground of most effect for the far field strength and pattern begins at
some distance from the antenna. The modeling programs (unless set for a
double ground radius) provide uniform ground for any distance and hence
are most relevant to far fields. (See ON4UN's book for notes on this
subject.) In some instances, poor ground may give better results than the
standard average ground (conductivity=0.005 S/m; dielectric constant =
13). Hence, the suggestion that every vertical--especially 1 wl loops used
in vertical polarization configurations and dipoles--be checked for
several ground qualities before drawing final conclusions. A 1/4 wl with
buried radials is less affected by such variations, but not wholly
unaffected.

Those planning to use a vertical seriously (that is, as the main station
antenna) might well wish to read the ground chapter of the ARRL Antenna
book. The extended ground quality descriptions and the conductivity map
of the US may provide some initial guidance on the local area ground
quality.

If you would like to see what a vertical can do from a small island, use
the salt water ground description (cond=5; d.c.=81). Verticals are highly
effective in that context and aboard ships. Even a low efficiency
base-loaded vertical at the seaside can outdo a highly efficient inland
vertical antenna in the direction of the sea, of course. (Please do not

salt the inland lake you live near on the basis of this report.)

Bottom line: although modeling horizontals over any ground quality is fine for reliable results, vertical modeling should be done over a variety of soil type to get a clearer picture of their potential performance.

-73-

LB, W4RNL

Date: Tue, 07 Jul 1998 18:02:10 -0400
From: David HM Spector <spector@zeitgeist.com>
To: DENNISMO@aol.com
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>, spector@wintermute.ny.zeitgeist.com
Subject: [14582] Re: Outbacker Antenna
Message-ID: <199807072202.SAA20196@wintermute.ny.zeitgeist.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hi,

I have an outbacker stealth that I've used out at our beach house perched atop an AlphaDelta tripod. It works quite well. (having the Atlantic Ocean as a counterpoise helps too! :-)

The only downsides are:

- 1) you have to go outside and move the "wander lead" to change bands
- 2) on 40 and 80 you have to do some fine tuning of the stinger
(the little whip at the top of the antenna) to get a good match.

Other than that, it was a joy to work with and a lot easier than setting up a dipole in the limited space around a Fire Island beach house (the houses are very close together, and there are no tall trees to speak of only scrub brush...)

73,
David

--

David HM Spector
Network Design & Infrastructure Security
Amateur Radio: W2DHM (ARRL life member)

spector@zeitgeist.com
voice: +1 212.579.8573
GridSquare: FN30as (40.775N 73.983W)

-.-. --- -. -. .-. - .-- .. -- -- .- - .- .-. .- -... .. ---
"New and stirring things are belittled because if they are not belittled,
the humiliating question arises, 'Why then are you not taking part in them?'"
--H. G. Wells

Date: Tue, 07 Jul 1998 18:21:04 EDT
From: nq2rp@juno.com (B/BAMS Club Station)
To: qrp-1@Lehigh.EDU
Subject: [14583] FV-301 SOLD!
Message-ID: <19980707.182032.4479.1.nq2rp@juno.com>

Quicker than I thought. Thanks for the interest.

72/73, Keith, WB2VU0 at the keys at B/BAMS
NQ2RP - QRP-L # 1294, Byron/Bergen AMateurS Club Station
Listen for our 10 Mtr Milliwatting Beacon: 125 mW @ 28.2875 MHz
"My night light runs more power than my Rig!!!"

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 7 Jul 1998 18:16:37 +0000
From: "Frank G3YCC" <g3ycc@g3ycc.prestel.co.uk>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>, kd7s@psnw.com
Subject: [14584] Re: Halfwave, end-fed antenna questions
Message-ID: <E0ytgFf-0005Sw-00@hen.scotland.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

A counterpoise is not essential for a 1/2 wave, see my web page for a simple design. A pal of mine also made one out of tubing for 28 Mhz, QRO. The matching section is of course a tuned circuit (parallel tuned). He made his capacitor with PCB material and it worked very well. The version on my web page uses a simple tuned circuit in a 35mm film canister and also works pretty well and does not employ a

counterpoise. If you really are worried about RF on the coax braid, use a few ferrite beads, but in practice, and that's what counts, forget it!

--73--

Frank G3YCC G QRP 042

email: g3ycc@g3ycc.prestel.co.uk

QRP web Site: <http://www.homeusers.prestel.co.uk/g3ycc/>

Packet: G3YCC@GB7HUL

Date: Tue, 7 Jul 1998 23:23:53 +0000

From: "Frank G3YCC" <g3ycc@g3ycc.prestel.co.uk>

To: qrp-1@Lehigh.EDU, gqrp-1@blacksheep.org

Subject: [14585] A Wide Range VX0

Message-ID: <E0ytgFh-0005Sw-00@hen.scotland.net>

MIME-Version: 1.0

Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7BIT

See my web page for a wide range VX0, tuning 3.509 - 3.587 Mhz

<http://www.homeusers.prestel.co.uk/g3ycc/widevx0.html>

--73--

Frank G3YCC G QRP 042

email: g3ycc@g3ycc.prestel.co.uk

QRP web Site: <http://www.homeusers.prestel.co.uk/g3ycc/>

Packet: G3YCC@GB7HUL

Date: Tue, 7 Jul 1998 18:36:25 EDT

From: ARDUJENSKI@aol.com

To: qrp-1@Lehigh.EDU

Subject: [14586] SOME DELTA INFO

Message-ID: <eebd3616.35a2a2ea@aol.com>

Mime-Version: 1.0

Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7bit

I have a 40M DOUBLE ZEPP but always looking to improve; just can't let alone. Thought about the DELTA LOOP because of various articles I have read. Then I came across a super article at LB CEBIK'S site on VERTICAL PLANE DELTAS.

He was the the closing comments:

★★ The general trend for the simple wire antenna to provide more gain at

lower elevation angles is clearly apparent. A full-length 40-meter dipole fed with parallel transmission line via an ATU would show slightly better performance. Open wire feeders are recommended for any multi-band wire antenna where the feedpoint impedance varies widely.

Again, these numbers apply only to deltas set up in the vertical plane. Deltas and other loops set up in the horizontal plane are another story entirely.

The figures and patterns speak for themselves, so no recommendations are needed. However, what was said earlier bears repeating. The delta loop when set up vertically, can be used on all bands, just as can almost any wire antenna that is at least $3/8$ wavelength long at the lowest frequency to be used. However, whatever the configuration (apex up or down) and whatever the feedpoint (corner, apex, mid-horizontal, SCV, mid-side), it is unlikely to outperform even a simple center fed wire at the same height as the top of the delta. **

...doesn't get better than a full wave 40M dipole fed with open line...hmmm...hey that is my 40M DOUBLE ZEPP up 60 ft...

If you want to read the whole article it is at
<http://funnelweb.utcc.utk.edu/~cebik/vdelt.html>
lots of other good stuff there too....Alan KB7MBI

Date: Tue, 07 Jul 1998 15:50:14 +0000
From: Bertie Hightower <bertieh@dancris.com>
To: qrp-1@Lehigh.EDU
Subject: [14587] Fwd: We Have a WINNER/NorCal 'Toon Contest
Message-ID: <199807072245.PAA09533@user2.dancris.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>
> CONGRATULATIONS Mike...you did a great job!!!

Thanks for the fun NorCal!!!!

73,

Bertie
N7XJW

>
> <snip>
> The 1st Place entry, pictured above, was submitted by Mike Parkes, AB7RU.
>
> Congrats Mike! GREAT JOB!
>
> Mike Gipe K1MG, Bertie N7XJW, and Earl Mead KE6ESM were runners up.
>
> Earl Mead KE6ESM deserves a special mention for the most entries!

End of QRP-L Digest 1145

